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LIST OF TECHNICAL WORKERS IN THE DEPARTMENT OF AGRICULTURE

AND

OUTLINE OF DEPARTMENT FUNCTIONS

1933

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UNITED STATES
DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C.

UNITED STATES DEPARTMENT OF AGRICULTURE
MISCELLANEOUS PUBLICATION No. 177

WASHINGTON, D.C. APRIL 1933

LIST OF TECHNICAL WORKERS IN THE DEPARTMENT OF AGRICULTURE AND OUTLINE OF DEPARTMENT FUNCTIONS

1933

Compiled in the Office of
Personnel and Business Administration

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KEY TO ABBREVIATIONS

Abstr., Abstractor.
Acct., Accounts, Accountant.
Activ., Activities.
Admin., Administration, Administrative, Administrator.
Agr., Agricultural, Agriculturist.
Agron., Agronomist.
Agt., Agent.
An., Animal.
Apicult., Apicultural, Apiculturist.
Arbor., Arboriculture, Arboriculturist.
Archt., Architect, Architectural.
Assoc., Associate, Association.
Asst., Assistant.
Atty., Attorney.
Aud., Auditor, Auditing.
Bact., Bacteriology, Bacteriological, Bacteriologist.
Bibl., Bibliography, Bibliographical, Bibliographer.
Biochem., Biochemical, Biochemist.
Biol., Biological, Biologist.
Biophys., Biophysical, Biophysicist.
Bot., Botany, Botanical, Botanist.
Bur., Bureau.
Bus., Business.
Chem., Chemistry, Chemical, Chemist.
Co., County.
Coll., College.
Collab., Collaborator.
Comn., Commission.
Compt., Comptroller.
Comr., Commissioner.
Conserv., Conservation.
Const., Construction.
Consult., Consulting, Consultant.
Coop., Cooperation, Cooperative, Cooperator.
Coun., Counsel.
Cytol., Cytological, Cytologist.
Dem., Demonstration.
Dendrol., Dendrologist.
Dep., Deputy.
Dept., Department.
Dir., Director.
Dist., District.
Div., Division.
Drain, Drainage.
Drft., Draftsman.
Ecol., Ecologist.
Econ., Economic, Economics, Economist.
Ed., Editorial, Editor.
Engr., Engineer, Engineering.
Ent., Entomology, Entomological, Entomologist.
Equip., Equipment.
Erad., Eradication.
Est., Estimator.
Exam., Examiner.
Exec., Executive.
Exp., Experiment, Experimental.
Expl., Explorer.
Ext., Extension.
Fert., Fertilizers, Fertility.
For., Forest, Forestry, Forester.
Forecr., Forecaster.
Gen., General.
Geol., Geologist, Geological.
Hdqrs., Headquarters.
Hort., Horticulture, Horticultural, Horticulturist.
Husb., Husbandry, Husbandman.
Hwy., Highway.
Illustr., Illustrator.
Ind., Industry.
Inf., Information, Informational.
Insp., Inspection, Inspector.
Inv., Investigations, Investigator.
Irrig., Irrigation.
Jr., Junior.
Lab., Laboratory, Laboratorian.
Libr., Library, Librarian.
Log., Logging.
Mech., Mechanic, Mechanical.
Med., Medical.
Met., Meteorology, Meteorological, Meteorologist.
Mfg., Manufacturing.
Mgr., Manager.
Mgt., Management.
Microan., Microanalyst.
Microbiol., Microbiological, Microbiologist.
Micros., Microscopist.
Misc., Miscellaneous.
Mkt., Market, Marketing.
Mycol., Mycologist.
Nat., National.
Natur., Naturalist.
Nematol., Nematologist.
Nutr., Nutrition.
Obsr., Observer.
Off., Office, Officer.
Oper., Operations.
Org., Organic, Organization.
Parasit., Parasitology, Parisitologist.
Path., Pathology, Pathological, Pathologist.
Pharmacol., Pharmacology, Pharmacologist.
Phys., Physical, Physicist.
Physiol., Physiology, Physiological, Physiologist.
Pl., Plant, Planting.
Pomol., Pomology, Pomological, Pomologist.
Pred., Predatory.
Prin., Principal.
Prod., Production, Products.
Prop., Propagation, Propagating, Propagator.
Pubs., Publications.
Quar., Quarantine.
Refrig., Refrigeration.
Reg., Regional.
Repres., Representative.
Reserv., Reservation, Reservations.
Sci., Scientific, Scientist.
Secy., Secretary.
Silv., Silviculture, Silvicultural, Silviculturist.
Sociol., Sociology.
Spec., Special, Specialist.
Sr., Senior.
Sta., Station.
Stat., Statistics, Statistical, Statistician.
Substa., Substation.
Supt., Superintendent.
Super., Supervisor.
Surv., Survey, Surveyor.
Tech., Technical, Technician.
Technol, Technology, Technological, Technologist.
Transp., Transportation.
Univ., University.
Util., Utilization.
Vet., Veterinary, Veterinarian.
Wareh., Warehouse, Warehousing.
Zool., Zoology, Zoologist.

Note.—The asterisk (*) following names of women employees in List of Workers is used to denote "Mrs."

OUTLINE OF FUNCTIONS OF UNITED STATES DEPARTMENT OF AGRICULTURE

OFFICE OF THE SECRETARY

The Secretary of Agriculture is charged with the work of promoting agriculture in its broadest sense. He exercises general supervision and control over the affairs of the Department and formulates and establishes the general policies to be pursued by its various branches. The general administrative staff of the Department under the Office of the Secretary includes, in addition to the Secretary's immediate office, the offices of the Assistant Secretary, the Directors of Scientific Work, Extension Work, Personnel and Business Administration, and Information, and the Solicitor. The Assistant Secretary assists the Secretary in the general administration of the work of the Department and acts for the Secretary in his absence. Each of the four directors, reporting directly to the Secretary, has general supervision over all the work of the Department of the type which the title of his position implies.

OFFICE OF PERSONNEL AND BUSINESS ADMINISTRATION

The Office of Personnel and Business Administration has general direction and supervision of the personnel and of the business operations of the Department as a whole, including the coordination and improvement of such business activities of its various bureaus and offices as personnel administration, organization, budget and fiscal matters, purchases and supplies, traffic, housing, and care of buildings and equipment. This Office conducts the business of the Department with the Civil Service Commission, the Employees' Compensation Commission, the Bureau of the Budget, the General Accounting Office, the Retirement Division of the Veterans' Administration, and similar agencies.

OFFICE OF THE SOLICITOR

The Office of the Solicitor has supervision and direction of the legal work of the Department. It advises administrative officials on legal problems touching their activities; aids in the preparation of, and reviews regulations, orders, and proclamations issued under the regulatory laws; examines evidence bearing on violations of such laws and prepares cases thereunder for transmission to the Attorney General for prosecution; prepares libels, informations, indictments, and other pleadings, as well as briefs for use in litigation; assists United States attorneys in the trial and argument of cases, in which the Department is interested, in the Federal district and appellate courts, including the United States Supreme Court; examines titles to land acquired by the Government under the direction of the Secretary, prepares reports and abstracts thereon and deeds and other instruments of conveyance; conducts hearings on rate and trade practice matters under the Packers and Stockyards Act of 1921; prosecutes applications for patents on behalf of Department employees; represents the Department, as counsel, at hearings before the United States land officers and in the argument of cases before the Secretary and tribunals of other departments; prepares and examines legislative bills, contracts, leases; examines claims for damage to or loss of private property; and conducts all correspondence with the several departments and United States attorneys relating to the legal business of the Department.

OFFICE OF INFORMATION

The Office of Information supervises the expenditure of the appropriations for printing and binding for the Department; conducts all business of the Department transacted with the Government Printing Office; has general super-

vision of all editing, printing, indexing, illustrating, binding, and distribution of publications, and the maintenance of mailing lists; and maintains an Addressing, Duplicating, and Mailing Section to serve the various Bureaus of the Department. This Office secures the circulation in popular form of the discoveries and recommendations of the scientists, specialists, and field workers of the Department; gives out to the public press agricultural facts taken from publications and official orders, and also from oral statements of specialists, this material being presented in such form as to attract public attention, be easily understandable, and lead to the adoption of methods recommended; and keeps in close touch with correspondents and other writers, providing suggestions and material for articles. It also furnishes daily, through broadcasting from many stations in all parts of the United States, authentic information of practical use to farmers and others concerning the discoveries made by the Department and the farm practices recommended by it; and answers by radio questions in all fields of agriculture and home economics.

LIBRARY

The Department Library, with its branch libraries in the various bureaus, contains approximately 250,000 volumes on agriculture and the related sciences, technology, and economics and receives currently 4,200 periodicals.

The dictionary card catalog of the main Library, containing more than a half million cards, is a record of the book resources of the whole Department. It is supplemented by several extensive special indexes which are maintained by the branch libraries in the various bureaus. These together form the most comprehensive bibliography of agriculture and the related sciences available in the United States. A series of Bibliographical Contributions is issued by the Library in mimeographed form, and a separate series of Agricultural Economics Bibliographies is issued by the Bureau of Agricultural Economics library. A brief list of the more important accessions to the Library is contained in the mimeographed series, Agricultural Library Notes, issued monthly by the Library. In addition, the following lists are issued currently by branch libraries in the various bureaus: Agricultural Economics Current Literature, compiled by the Bureau of Agricultural Economics library; Agronomy Current Literature and Botany Current Literature, compiled by the Bureau of Plant Industry library; Forestry Current Literature, compiled by the Forest Service library; Highways Current Literature, compiled by the Bureau of Public Roads library; Agricultural Engineering Current Literature, compiled by the Bureau of Agricultural Engineering library; and Cotton Literature compiled by Emily L. Day, library specialist in cotton marketing, Bureau of Agricultural Economics.

OFFICE OF EXPERIMENT STATIONS

The Office of Experiment Stations exercises supervision over the operations of the State agricultural experiment stations under Federal appropriations authorized by the Hatch, Adams, and Purnell Acts for research, gives such advice, assistance, and information as will best promote the efficiency of these activities, and coordinates the work of the State stations with that of the Department. It also collects and disseminates information regarding similar institutions in foreign countries and publishes Experiment Station Record, reviewing the progress of agricultural research throughout the world. The experiment stations in Hawaii and Puerto Rico are also conducted under the general direction of this Office.

EXTENSION SERVICE

The Extension Service cooperates with the State agricultural colleges in the conduct of extension work in agriculture and home economics under the Smith-Lever Act, and acts as an agency for coordinating the extension activities of the several bureaus of the Department with similar work carried on by the State agricultural colleges. It conducts demonstrations on reclamation projects to assist settlers in making a success of their farm enterprises. It also has charge of the preparation, installation, and display of agricultural exhibits at State, interstate, and international fairs and of the motion-picture activities of the Department.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

The Agricultural Adjustment Administration is charged with carrying out the provisions of the Agricultural Adjustment Act, approved May 12, 1933, which seeks to establish and maintain such a balance between agricultural production and also marketing conditions as will give the basic agricultural commodities buying power equal to the pre-war period, August 1909 to July 1914, with the exception of one commodity, tobacco, for which the buying-power goal is that of August 1919–July 1929.

It also seeks to protect the consumer's interest by adjusting the farm production at such level as will not increase the percentage of the cost the consumer has to pay at retail for agricultural commodities or products beyond that which he had to pay in the base periods.

The seven commodities specifically mentioned in the act are: Wheat, cotton, field corn, hogs, rice, tobacco, and milk and its products.

The work follows these general lines: Adjusting agricultural products to demand, establishing marketing agreements to provide fair return to producers of agricultural commodities, and removing burdensome supplies from the market.

By Executive Order, codes of fair competition for industries engaged in handling foodstuffs are filed with this Administration.

Processing taxes may be levied to meet the cost-of-production program in the several basic agricultural commodities.

Foreign market possibilities for the agricultural commodities enumerated are also studied, and wherever possible steps are taken to develop these markets.

BUREAU OF AGRICULTURAL ECONOMICS

The Bureau of Agricultural Economics conducts studies of the economics of production and marketing, farm organization, farm financial relations, farm labor, land economics, and the problems of rural life. It acquires and disseminates current information regarding the marketing and distribution of farm products; collects, compiles, summarizes, interprets, and makes public statistical data relating to agricultural production, including crop and livestock estimates, and estimates of the grade and staple length of the cotton crop and carry-over; studies marketing methods and conditions, and standardization, transportation, handling, financing, utilization, and storage of agricultural products; prepares and publishes reports on the outlook for farm products; and issues quarterly reports on stocks of leaf tobacco.

Reports are issued which furnish information on the supply, commercial movement, disposition, and market prices of fruits and vegetables, livestock and livestock products, dairy and poultry products, grain, hay, feed, seed, cotton, tobacco, and other products. Information is obtained and published also with regard to the supply of and demand for agricultural products in foreign countries. A market inspection service is available in many of the principal producing areas and receiving centers on fruits and vegetables, hay, beans, and other products, and a grading service is conducted on dairy and poultry products, canned fruits and vegetables, meats, tobacco, and rice.

Regulatory work is performed in connection with the enforcement of the Cotton Futures Act, Cotton Standards Act, Grain Standards Act, Standard Container Act, Standard Hamper Act, Produce Agency Act, and Perishable Agricultural Commodities Act, and the administration of the Warehouse Act.

BUREAU OF AGRICULTURAL ENGINEERING

The Bureau of Agricultural Engineering deals with the engineering problems of agriculture. Its work consists chiefly in conducting and reporting upon research projects relating to engineering equipment and practices employed in connection with farm irrigation, farm drainage, control of soil erosion, farm power and machinery, and farm buildings. The Bureau, under certain conditions, also renders engineering advice and assistance to other bureaus of the Department with reference to facilities needed and employed by them.

BUREAU OF ANIMAL INDUSTRY

The Bureau of Animal Industry is primarily concerned with the protection and development of the livestock and meat industries of the United States. It conducts scientific investigations of the causes, prevention, and treatment of diseases of domestic animals; investigates the existence of communicable diseases of such animals, and aids in their control or eradication; and carries on investigations and experiments in animal husbandry and in the feeding and breeding of animals. It also is charged with the administration of the Meat Inspection Act, the Animal Quarantine Acts, the 28-Hour Law, the Diseased Animal Transportation Acts, the Virus-Serum-Toxin Act, and the act relating to the supervision of the business in interstate commerce of packers, public stockyard markets, and commission men, traders, and other agencies operating in the public stockyard markets of the United States.

BUREAU OF BIOLOGICAL SURVEY

The Bureau of Biological Survey is engaged in those forms of research work, conservation and control operations, and enforcement of laws that relate to vertebrate wild animals (except fishes), in the interests of agriculture, horticulture, stock raising, forestry, and recreation, and the natural requirements of the wild life itself. Its activities embrace field investigations and laboratory studies, including biological surveys of areas, of the distribution, migration, classification, natural history, food habits, and food resources of birds and other animals and their diseases and parasites; experiments in the production of fur-bearing animals in captivity and demonstration of improved practices developed therefrom; studies of the propagation of game birds; investigations for the improvement of the reindeer industry in Alaska, including studies of the caribou for use in crossbreeding; experiments in the introduction and domestication of musk oxen in Alaska; and development of effective methods for the control of predatory animals, including stock killers, rodents, injurious birds, and other destructive species. Control operations are conducted by organized field forces in cooperation with State and other organizations. One hundred and two wild-life reservations are maintained for the conservation of game and other animals and birds, and work is under way for the acquisition of numerous additional refuges at concentration points of migratory birds. The Bureau administers Federal laws for the conservation of migratory birds, protection of animals and property on wild-life reservations, and prevention of illegal interstate shipments of bodies of wild animals and of the entry of injurious foreign species; and, through representation on and cooperation with the Alaska Game Commission, assists in the administration of the Alaska Game Law.

BUREAU OF CHEMISTRY AND SOILS

The work of the Bureau of Chemistry and Soils is organized along three major lines: (1) Chemical and technological research, (2) soil investigation, and (3) fertilizer and fixed-nitrogen investigations.

(1) Under Chemical and Technological Research is grouped the work relating to the application of the science of chemistry to the improvement of agriculture, development of processes for the utilization of agricultural products, and biological investigations of foods, including studies of their physiological effects on the human organism; experiments on the utilization, for coloring, medicinal, and technical purposes of raw materials; development of improved processes in the production of rosin and turpentine; investigations in the development of methods of manufacturing insecticides and fungicides; improvement of methods for dehydrating materials used for food; and development of means to prevent farm fires and dust explosions and resulting fires, including fires in grain mills and elevators, cotton gins, cotton-oil mills, etc.

(2) Under Soil Investigations is grouped all the soil work of the Bureau, including the classification and mapping of the soils of the United States, studies of the agricultural value of soils, their characteristics in relation to productiveness, their origin and development, and their chemical and mechanical compositions; research in soil microbiology; investigations of the

response of soils to fertilizers and other soil amendments; and studies of soil erosion, with a view to determining the principles which should guide in the control and prevention of soil erosion.

(3) Under Fertilizer and Fixed Nitrogen Investigations are grouped studies of the fertilizer resources of the country and methods of manufacturing fertilizer materials, including nitrogen and its fixation, phosphates, potash, concentrated fertilizers, organic waste products, and miscellaneous soil amendments.

BUREAU OF DAIRY INDUSTRY

The Bureau of Dairy Industry conducts investigations of the various problems of dairy production, manufacture, and utilization, and the manufacture and utilization of dairy by-products. New principles and methods developed in the investigational work of the Bureau are introduced into the field. The Bureau also supervises the inspection of renovated-butter factories.

BUREAU OF ENTOMOLOGY

The Bureau of Entomology conducts investigations in economic entomology, involving studies in the life history and habits of insects injurious and those beneficial to agriculture, horticulture, and arboriculture, with a view to the development of practical methods for destroying those found to be injurious and promoting the increase and spread of those found to be beneficial. It studies bee culture and beekeeping practices and investigates the life history and control of insects affecting the health of man and animals.

FOOD AND DRUG ADMINISTRATION

The Food and Drug Administration enforces the Food and Drugs Act, Tea Act, Naval Stores Act, Insecticide Act, Import Milk Act, and Caustic Poison Act.

This Administration inspects and analyzes samples of the various products coming under its surveillance, both at its field stations and in its laboratories at Washington, to the end that it may detect and cause to be removed from the channels of trade all those that fail to comply with the terms of the acts which it enforces. It assists manufacturers to keep their products in compliance with these acts and institutes legal action against those who violate the law. Its primary function is to protect the consuming public against misbranded or adulterated foods, drugs, naval stores, insecticides, and fungicides, and honest manufacturers against enforced competition with such goods.

FOREST SERVICE

The Forest Service administers the national forests; cooperates with States in maintaining organized protection of forest lands against fire and in distributing planting stock to farmers for windbreaks, shelter belts, and farm woodlands; conducts investigations in the entire field of forestry, including industrial research and research in forest economics and taxation; diffuses information relating to the best uses of forests and forest products; and, in short, seeks to promote the application of forestry throughout the country on both public and privately owned lands, together with efficient and economical use of the yield. The national forests contain approximately 160,000,000 acres of Government-owned land and one third of the remaining saw timber in the United States besides forage and recreations resources of great public value. The administration of the national forests aims to coordinate and develop to the utmost the use of all their resources in the best public interest. Technical methods of forestry are applied to the growing and harvesting of timber. Livestock grazing is scientifically regulated so as to obtain range conservation along with full use of the annual growth of forage. Sustained and, where possible, increased yields of timbers and forage are obtained. Water from the watersheds protected by national forests is made available for power, irrigation, and municipal and domestic supply. Provision is made for many other forms of national-forest land use under regulation. Systematic protection is provided against fire and other destructive agencies.

GRAIN FUTURES ADMINISTRATION

The Grain Futures Administration is charged with the carrying out of the provisions of the Grain Futures Act of September 21, 1922, which brings under the supervision of the Federal Government all trading in grain futures at grain exchanges designated as contract markets by the Secretary of Agriculture. The work consists of compiling daily reports of transactions in grain futures from all markets, in checking the dissemination of false and misleading information which affects or tends to affect the prices of grain, and in making general observations of the entire grain-marketing machinery, with a view to prevent abnormal fluctuations of prices and to create market conditions which will reflect supply and demand. The results of investigations concerning the operations of contract markets are published from time to time for the information of Congress and the general public. In cooperation with other Government agencies, the Administration also makes investigations of grain and grain products and byproducts, including supply and demand, cost to the consumer, and handling and transportation charges.

BUREAU OF HOME ECONOMICS

The Bureau of Home Economics conducts scientific studies from the consumer standpoint on foods and nutrition; standards of living, family budgets, and other economic problems; and on textiles and clothing, particularly as regards the effective household utilization of cotton, wool, and other fibers important in American agriculture. The results of this research are given to the public in the form of technical and popular bulletins; progress reports in scientific journals; articles in trade and educational magazines and newspapers; radio talks broadcast by members of the staff and sent as releases to local stations; lantern slides and film strips for the use of extension workers and schools; and exhibits for State fairs and international expositions.

BUREAU OF PLANT INDUSTRY

The activities of the Bureau of Plant Industry are primarily devoted to plant research and related problems. This work includes the study of destructive plant diseases and the establishment of methods of eradication and control; the improvement of crop, ornamental, or other plants by breeding and selection; the introduction of promising seeds and plants from foreign countries; the improvement of methods of plant production; and the utilization of plants of economic value; and arbocultural investigations and experiments with special reference to erosion control planting activities.

Campaigns to control or eradicate certain plant diseases are conducted in cooperation with the authorities of the States concerned. The 13 States interested in spring-wheat production are cooperating to eradicate the common barberry throughout this area as a means of controlling epidemics of black stem rust of wheat. The New England, Great Lakes, and Northwestern States are cooperating in the eradication of the black currant and related plants as a means of controlling or preventing the spread of the blister rust of white pine. The Gulf States are cooperating in the eradication of the canker of citrus trees and fruits. Georgia and Alabama and other southern peach-growing States are cooperating in a campaign to eradicate the phony disease of peach trees.

The regulatory activities of the Bureau are limited to the enforcement of the Federal Seed Act.

In addition to the experimental activities of the Bureau at the Arlington (Va.) Experiment Farm, which is immediately adjacent to the District of Columbia, the Bureau is operating field stations or laboratories in practically all the major cropping regions of the United States and is maintaining direct cooperative experiments with the State agricultural colleges and experiment stations.

The Bureau is acquiring land in the District of Columbia on which to establish and maintain the National Arboretum.

BUREAU OF PLANT QUARANTINE

The Bureau of Plant Quarantine is responsible for the enforcement of quarantines and restrictive orders promulgated under the authority of the Plant Quarantine Act to prevent the entry into or dissemination within the United

States of dangerous plant pests new to or not widely distributed within this country. Such quarantines and restrictive orders regulate the importation or interstate movement of nursery stock, fruits, vegetables, cotton, and other plants and plant products likely to carry injurious pests. The Bureau is also responsible for carrying on, in cooperation with the States, necessary work to prevent the spread of or to eradicate pests which have gained more or less limited foothold. The latter includes quarantines on account of the pink bollworm of cotton, Thurberia weevil, date scale, gipsy and brown-tail moths, Japanese beetle, Mexican fruit fly, and white pine blister rust.

This Bureau also enforces the act providing for the Mexican border inspection and control service; the act providing for inspection and certification as to freedom from injurious insect pests and plant diseases of domestic fruits, vegetables, seeds, and nursery stock and other plants for propagation intended for export, in order to meet the sanitary requirements of foreign countries; the Insect Pest Act of 1905; and, in cooperation with the Post Office Department, the Terminal Inspection Act of 1915.

BUREAU OF PUBLIC ROADS

The Bureau of Public Roads handles the highway engineering work for the Department. This work deals with all highway functions contemplated by the regular appropriations, including the conduct of highway research, and also with the work of administering the Federal-aid and forest-road appropriations.

WEATHER BUREAU

The Weather Bureau has charge of the forecasting of the weather; issue and display of weather forecasts and storm, cold-wave, frost, forest-fire weather, and flood warnings; gaging and reporting of river stages; collection and transmission of marine intelligence for the benefit of commerce and navigation; collection and furnishing of meteorological information and forecasts, including upper-air observations, for the benefit of air navigation; reporting of temperature and rainfall conditions for agricultural interests; and the taking of such meteorological observations as may be necessary to determine and record the climatic conditions of the United States.

TECHNICAL WORKERS IN THE UNITED STATES DEPARTMENT OF AGRICULTURE

OFFICE OF THE SECRETARY

Henry A. Wallace, M.S.A., LL.D., *Secy. of Agriculture.*
Rexford A. Tugwell, A.M., Ph.D., *Asst. Secy. of Agriculture.*
Paul H. Appleby, A.B., *Asst. to the Secy.*
C. B. Baldwin, *Asst. to the Secy.*
James D. LeCron, M.A., *Asst. to the Secy.*
Julien A. Friant, *Special Asst. to the Secy.*
F. B. Bartlett, A.B., *Asst. to the Asst. Secy.*
G. E. Falke, *Asst. to the Asst. Secy.*
Mordecai Ezekiel, MS., Ph.D., *Economic Advisor.*
A. F. Woods, A.M., D.Agr., D.Sc., LL.D., *Dir. of Scientific Work.*
C. W. Warburton, D.Sc. *Dir. of Extention Work.*
W. W. Stockberger, Ph.D., *Dir. of Personnel and Bus. Admin.*
W. A. Jump, *Asst. Dir. and Budget Officer.*
M. S. Eisenhower, B.S., *Dir. of Information.*
Seth Thomas, Ph.B., M.A., LL.B., *Solicitor.*

OFFICE OF PERSONNEL AND BUSINESS ADMINISTRATION

W. W. Stockberger, Ph.D., *Dir.*
W. A. Jump, *Asst. Dir. and Budget Off.*

DIVISION OF APPOINTMENTS

P. L. Gladmon, *Chief of Div.*

BUDGET AND FINANCE

L. O. Robbins, LL.M., *Admin. Asst.*
E. H. Bradley, *Admin. Asst.*

INSPECTION

C. T. Forster, *Admin. Asst.*

PERSONNEL CLASSIFICATION

L. L. Evans, *Admin. Asst.*

OFFICE OF ACCOUNTS (OFFICE OF THE SECRETARY)

F. E. Singleton, *Chief.*

DIVISION OF OPERATION

H. A. Nelson, *Chief of Div. and Real Estate Off.*
Joseph L. Koehl, LL.B., *Asst. Chief.*

Mail and Files:
Joseph Haley, *in charge.*

Telephones and Telegraph:
J. L. Koehl, LL.B., *in charge.*

Emergency Room:
Lily J. Greathouse,* *in charge.*

DIVISION OF ACCOUNTS AND DISBURSEMENTS

W. R. Fuchs, LL.B., *Chief of Div.*

Cash Section:
J. J. Ackerman, *in charge.*

Bookkeeping Section:
W. G. Raake, *in charge.*

Examining Section:
F. R. Ellis, *in charge.*

DIVISION OF PURCHASE, SALES, AND TRAFFIC

Alex McC. Ashley, Ph.B., LL.B., A.M., *Chief of Div.*
J. M. Locknane, *Asst. Chief.*
Miriam B. Berryhill,* *Traffic Mgr.*
S. A. Snyder, *Adm. Asst.* (*Central Supply Section*).

OFFICE OF THE SOLICITOR

Seth Thomas, Ph.B., M.A., LL.B., *Solicitor.*
C. W. Boyle, LL.M., *Asst. Solicitor.*

DIVISION OF FOOD AND DRUGS, INSECTICIDES AND FUNGICIDES, FEDERAL SEED, TEA INSPECTION, NAVAL STORES, VIRUS-SERUM CONTROL, MEAT INSPECTION, FEDERAL IMPORT MILK, FEDERAL CAUSTIC POISON, AND COMPILATION OF LAWS

Patrick D. Cronin, A.B., LL.B., *Atty. in charge.*
J. B. O'Donnell, LL.M., *Atty.*
J. F. Moore, LL.B., *Atty.*
J. P. Painter, *Atty.*
O. H. Gates, LL.B., *Atty.*
F. Tharin, D.C.L., *Atty.*
R. E. Mikesell, *Atty.*
W. Rawlins, LL.M., M.P.L., *Atty.*

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Owen A. McNiff, *Asst. Mkt. Spec.*

Michigan—Detroit:

P. T. Baden, B.S., *Asst. Mkt. Spec.*

Minnesota:

Duluth:

R. M. Ferguson, *Asst. Mkt. Spec.*

Inspection of fruits and Vegetables—Con.

FIELD HEADQUARTERS—Continued.

Minnesota—Continued.

Minneapolis:

Geo. W. Christenson, *Asst. Mkt. Spec.*

Missouri:

Kansas City:

Frank M. Lyle, M.S., *Asst. Mkt. Spec.*

St. Louis:

L. G. C. Peirce, Ph.B., *Asst. Mkt. Spec.*

Nebraska—Omaha:

V. V. Westgate, M.S., *Assoc. Mkt. Spec.*

New Jersey:

Newark:

H. L. Harrington, B.S., *Asst. Mkt. Spec.*

Trenton:

W. C. Lynn, B.S., *Agt.*

New York:

Buffalo:

J. W. Raplee, B.S., *Asst. Mkt. Spec.*

New York:

W. C. Hackleman, B.S., *Sr. Mkt. Spec.*

G. W. Payne, *Mkt. Spec.*

E. G. Batsford, B.S., *Asst. Mkt. Spec.*

W. C. Hangstafer, *Asst. Mkt. Spec.*

Robert B. Emery, *Asst. Mkt. Spec.*

T. L. Kelly, *Asst. Mkt. Spec.*

A. S. Mason, B.S., *Asst. Mkt. Spec.*

F. Wolfarth, *Asst. Mkt. Spec.*

F. S. Zimmerman, B.S., *Assoc. Mkt. Spec.*

R. C. Elliott, B.S., *Asst. Mkt. Spec.*

F. S. Kinsey, *Assoc. Mkt. Spec.*

J. L. Ebert, *Asst. Mkt. Spec.*

Simon Lieberman, A.B., *Asst. Mkt. Spec.*

H. C. McCoy, *Asst. Mkt. Spec.*

Ohio:

Cincinnati:

John W. Coleman, B.S., *Asst. Mkt. Spec.*

Cleveland:

K. S. Branch, *Mkt. Spec.*

G. A. Bidelman, *Asst. Mkt. Spec.*

Edgar Krumm, *Asst. Mkt. Spec.*

Columbus:

M. W. Baker, *Assoc. Mkt. Spec.*

Oklahoma—Tulsa:

R. B. Landrum, *Asst. Mkt. Spec.*

Oregon—Portland:

R. L. Ringer, *B.S., Asst. Mkt. Spec.*

W. L. Close, B.S., *Assoc. Mkt. Spec.*

Pennsylvania:

Harrisburg:

D. M. James, B.S., *Asst. Mkt. Spec.*

Philadelphia:

G. R. Blount, B.S., *Assoc. Mkt. Spec.*

Herman Beckenstrater, B.S., *Asst. Mkt. Spec.*

Clifford G. Brand, *Asst. Mkt. Spec.*

Harold S. Slamp, B.S., *Asst. Mkt. Spec.*

Pittsburgh:

J. J. Gardner, M.S., *Assoc. Mkt. Spec.*

R. N. Balster, B.S., *Asst. Mkt. Spec.*

J. A. Marks, B.S., *Assoc. Mkt. Spec.*

Wilkes-Barre:

R. B. Donaldson, B.S., *Agt.*

Rhode Island—Providence:

Herbert L. Geer, M.S., *Asst. Mkt. Spec.*

Inspection of Fruits and Vegetables—Con.
FIELD HEADQUARTERS—Continued.
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Texas:
Harlingen:
H. T. Longino, *Assoc. Mkt. Spec.*
Fort Worth:
M. C. Gregory, B.S., *Asst. Mkt. Spec.*
Houston:
C. D. Shirley, B.S., *Asst. Mkt. Spec.*
Utah—Salt Lake City:
L. S. Fenn., B.S., *Asst. Mkt. Spec.*
Virginia:
Norfolk:
H. H. Henderson, A.B., *Asst. Mkt. Spec.*
Richmond:
Thos. W. Ayres, B.S., *Assoc. Mkt., Spec.*
Washington—Yakima:
F. E. Bailey, *Mkt. Spec.*
Wisconsin—Milwaukee:
H. A. Arenz, *Asst. Mkt. Spec.*

Grades and Standards:
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J. W. Park, B.S.A., *Agr. Econ.*
W. E. Lewis, B.S., *Assoc. Mkt. Spec.*
W. E. Leigh, B.S., *Assoc. Mkt. Spec.*
R. L. Spangler, B.S., *Assoc. Mkt. Spec.*
R. G. Hill, B.S., *Assoc. Mkt. Spec.*

Enforcement of Standard Container, Hamper, and Produce Agency Acts:
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H. A. Spilman, B.S., *Sr. Mkt. Spec.*
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W. L. Evans, LL.M., *Mkt. Spec.*
C. R. Newton, B.L., *Assoc. Mkt. Spec.*
O. N. Harsha, *Assoc. Mkt. Spec.*
W. G. Lensen, B.S., *Assoc. Mkt. Spec.*
R. H. Shoemaker, B.S., *Assoc. Mkt. Spec.*
W. H. Steinbauer, B.S., *Assoc. Mkt. Spec.*
T. C. Curry, *Assoc. Mkt. Spec.*
W. A. Hilgeson, *Assoc. Mkt. Spec.*
J. W. Dykes, LL.B., *Assoc. Mkt. Spec.*
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C. H. Walleigh, *Mkt. Spec.*
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R. H. Shoemaker, B.S., *Assoc. Mkt. Spec.*
W. H. Steinbauer, B.S., *Assoc. Mkt. Spec.*
O. N. Harsha, *Assoc. Mkt. Spec.*
J. W. Dykes, LL.B., *Assoc. Mkt. Spec.*
C. R. Newton, B.L., *Assoc. Mkt. Spec.*
T. C. Curry, *Assoc. Mkt. Spec.*
W. A. Hilgeson, *Assoc. Mkt. Spec.*
Brice Edwards, B.S., M.A., *Asst. Mkt. Spec.*
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L. M. Billman, B.S., *Asst. Mkt. Spec.*
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Pennsylvania—Philadelphia:
J. C. Bigger, *Asst. Mkt. Spec.*

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C. V. Whalin, B.A., *Prin. Mktg. Spec., in charge.*

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J. A. Burgess, B.S., *Prin. Assoc. Mkt. Spec.*
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R. R. David, *Asst. Mkt. Spec.*
J. R. Zimmerman, *Jr. Mkt. Spec.*
Colorado—Denver:
H. W. French, *Assoc. Mkt. Spec.*
C. A. Anderson, *Jr. Mkt. Spec.*
Illinois:
Chicago:
J. S. Campbell, *Sr. Mkt. Spec.*
C. C. Green, B.S., *Asst. Mkt. Spec.*
W. F. Horst, B.S., *Asst. Mkt. Spec.*
H. B. Latham, *Assoc. Mkt. Spec.*
W. Smeby, *Asst. Mkt. Spec.*
D. J. Slater, B.S., *Assoc. Mkt. Spec.*
National Stock Yards:
E. K. Hess, *Assoc. Mkt. Spec.*
A. L. Austin, B.S., *Asst. Mkt. Spec.*
I. C. Everts, *Asst. Mkt. Spec.*
Indiana—Indianapolis:
J. L. Mozley, *Asst. Mkt. Spec.*
Iowa:
Des Moines:
W. O. Fraser, B.S., *Assoc. Mkt. Spec.*
K. L. Urban, *Asst. Mkt. Spec.*
Sioux City:
J. D. Hale, *Assoc. Mkt. Spec.*
E. Lende, *Asst. Mkt. Spec.*
A. R. Paden, *Jr. Mkt. Spec.*
Kansas—Wichita:
E. H. Richardson, D.V.M., *Asst. Mkt. Spec.*
Kentucky—Louisville:
S. L. Byerly, B.S., *Asst. Mkt. Spec.*
Massachusetts—Boston:
R. L. Burrus, B.S., *Assoc. Mkt. Spec.*
E. S. Higgins, *Asst. Mkt. Spec.*
J. J. Window, B.S., B.F.S., *Jr. Mkt. Spec.*
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James Hartnell, B.S., *Jr. Mkt. Spec.*
L. M. Woodruff, B.S., *Asst. Mkt. Spec.*
Missouri:
Kansas City:
M. Y. Griffin, *Assoc. Mkt. Spec.*
W. R. Branch, B.S., *Asst. Mkt. Spec.*
G. L. Ellison, B.A., *Jr. Mkt. Spec.*
H. D. Williams, *Asst. Mkt. Spec.*
St. Joseph:
E. A. Orr, *Assoc. Mkt. Spec.*
B. R. Bowman, B.S., *Asst. Mkt. Spec.*
Nebraska—Omaha:
Charles Bruce, *Assoc. Mkt. Spec.*
L. O. Gibson, B.A., *Asst. Mkt. Spec.*
New York:
Buffalo:
A. J. Ryan, *Asst. Mkt. Spec.*
New York:
D. G. Cummins, *Asst. Mkt. Spec.*
C. F. House, *Asst. Mkt. Spec.*
Dean Smith, B.S., *Asst. Mkt. Spec.*
Ohio—Cincinnati:
G. B. Fundis, *Asst. Mkt. Spec.*
Oregon—Portland:
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Market News Service on Livestock, Meats, and Wool—Continued
FIELD HEADQUARTERS—Continued.
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S. L. Byerly, B.S., *Asst. Mkt. Spec.*
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S. Emens, *Assoc. Mkt. Spec.*
F. R. Sawyer, B.S., *Asst. Mkt. Spec.*
Utah—Ogden:
S. Bray, LL.B., *Assoc. Mkt. Spec.*
J. L. Patterson, *Asst. Mkt. Spec.*
Wyoming—Casper:
E. T. Forsling, *Asst. Mkt. Spec.*

Meat Standardization and Marketing Investigations:
W. C. Davis, *Sr. Mkt. Spec.*
L. B. Burk, B.S., *Agr. Econ.* (Technological study of meat quality).
M. T. Foster, B.S., A.M., *Assoc. Livestock and Meat Technol.* (Technological study of meat quality.)

Livestock and Meat Economic Market Investigations:
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K. Bjorka, M.S., *Agr. Econ.*
A. T. Edinger, B.S., M.A., *Assoc. Mkt. Spec.*
G. A. Peterson, M.A., Ph.D., *Asst. Agr. Econ.*
E. O. Swedberg, *Jr. Mkt. Spec.*

Livestock Standardization:
C. E. Gibbons, B.A., *Sr. Mkt. Spec.*
L. B. Burk, B.S., *Agr. Econ.*
J. K. Wallace, *Sr. Mkt. Spec.*

Livestock Market Statistics:
Edna M. Jordan, *Asst. Agr. Stat.*
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Chicago:
K. Myers, M.S., *Asst. Agr. Econ.*

Meat Grading Service:
W. C. Davis, *Sr. Mkt. Spec.*
G. M. Beeson, *Asst. Mkt. Spec.* (field service).
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Chicago:
W. J. Eberline, *Asst. Mkt. Spec.*
H. Huntington, *Assoc. Mkt. Spec.*
S. Nelson, *Assoc. Mkt. Spec.*
J. J. Olofson, *Asst. Mkt. Spec.*
National Stock Yards:
A. J. Naegele, *Assoc. Mkt. Spec.*
L. J. Waack, *Assoc. Mkt. Spec.*
Massachusetts—Boston:
E. S. Higgins, *Asst. Mkt. Spec.*
Michigan—Detroit:
D. A. Ford, *Assoc. Mkt. Spec.*
Missouri—Kansas City:
E. L. Cannon, *Asst. Mkt. Spec.*
L. P. Stream, *Assoc. Mkt. Spec.*
Nebraska—Omaha:
L. A. Bell, *Assoc. Mkt. Spec.*
New York:
Buffalo:
J. L. Glover, Jr., *Assoc. Mkt. Spec.*
New York:
S. Goldsmith, *Assoc. Mkt. Spec.*
J. R. Maize, *Asst. Mkt. Spec.*
W. H. Norris, *Assoc. Mkt. Spec.*
J. F. Scanlon, *Asst. Mkt. Spec.*
W. W. Wheeler, *Assoc. Mkt. Spec.*
Iowa—Sioux City:
E. Lende, *Asst. Mkt. Spec.*
Kansas—Wichita:
E. H. Richardson, D.V.M., *Asst. Mkt. Spec.*
Pennsylvania—Philadelphia:
C. M. Harris, *Assoc. Mkt. Spec.*

Wool Standardization and Marketing Investigations:
W. M. Buck, *Mkt. Spec.*
F. Grayson, *Assoc. Mkt. Spec.*
J. W. Christie, *Mkt. Spec.*
W. A. Mueller, *Assoc. Mkt. Spec.*
L. A. Wood, *Jr. Mkt. Spec.*

GRAIN DIVISION

E. C. Parker, B.S., *Prin. Mkt. Spec., in charge.*

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E. C. Parker, B.S., *Prin. Mkt. Spec., in charge.*
E. J. Murphy, LL.B., *Sr. Admin. Off.*
G. W. Morrison, *Admin. Off.*
T. A. Sommers, *Asst. Mkt. Spec.*
H. M. Crosswhite, *Asst.*
FIELD HEADQUARTERS:
R. T. Miles, B.S., *Prin. Mkt. Spec., in charge of general field hdqrs. at Chicago, Ill.*
B. W. Whitlock, B.S., *Sr. Mkt. Spec., in charge of Pacific coast field hdqrs. at Portland, Oreg.*
California:
Los Angeles:
J. A. LeRoy, *Assoc. Mkt. Spec.*
San Francisco:
J. F. Welch, *Assoc. Mkt. Spec.*
Colorado—Denver:
H. W. Long, *Asst. Mkt. Spec.*
Illinois:
Cairo:
E. J. Aldred, *Asst. Mkt. Spec.*
Chicago (general field hdqrs.):
R. T. Miles, B.S., *Prin. Mkt. Spec., in charge.*
R. C. Mill, LL.B., *Mkt. Spec.*
F. C. Heiss, *Asst. Mkt. Spec.*
Chicago (district):
C. L. Cannon, M.S., *Sr. Mkt. Spec.*
R. W. Gilbert, *Assoc. Mkt. Spec.*
J. Q. Adams, *Assoc. Mkt. Spec.*
J. C. Kerr, *Assoc. Mkt. Spec.*
F. J. Coghlan, *Asst. Mkt. Spec.*
T. M. Hughes, *Asst. Mkt. Spec.*
G. F. Turner, *Prin. Jr. Mkt. Spec.*
Chicago (South):
T. J. O'Brien, *Assoc. Mkt. Spec.*
E. R. Coleman, *Prin. Jr. Mkt. Spec.*
C. L. Shiley, *Prin. Jr. Mkt. Spec.*
Peoria:
R. B. Woolsey, *Assoc. Mkt. Spec.*
Indiana—Indianapolis:
C. A. Russell, *Mkt. Spec.*
Wm. Knight, *Prin. Jr. Mkt. Spec.*
Iowa:
Cedar Rapids:
G. A. Dabinett, *Asst. Mkt. Spec.*
Sioux City:
R. H. Martin, *Jr. Mkt. Spec.*
Kansas:
Wichita:
R. D. Jarboe, *Assoc. Mkt. Spec.*
G. F. Binderim, LL.B., *Assoc. Mkt. Spec.*
Hutchinson:
Ross Chambers, *Jr. Mkt. Spec.*
Kentucky—Louisville:
J. W. Wesson, A.B., B.S., *Asst. Mkt. Spec.*
Louisiana—New Orleans:
J. P. Stanfield, *Assoc. Mkt. Spec.*
Maryland—Baltimore:
Harold Anderson, *Assoc. Mkt. Spec.*
P. J. Bollman, *Asst. Mkt. Spec.*
L. M. Carr, *Prin. Jr. Mkt. Spec.*
Massachusetts—Boston:
M. B. Gleason, *Prin. Jr. Mkt. Spec.*
Minnesota:
Duluth:
W. H. Shea, *Sr. Mkt. Spec.*
M. F. Haggerty, *Assoc. Mkt. Spec.*
F. L. Loos, LL.B., *Assoc. Mkt. Spec.*

Administration of Grain Standards Act—Con.
FIELD HEADQUARTERS—Continued.
Minnesota—Continued.
Duluth—Continued.
W. A. Pahl, *Assoc. Mkt. Spec.*
A. J. Boyum, *Prin. Jr. Mkt. Spec.*
G. L. Good, *Prin. Jr. Mkt. Spec.*
L. R. Peterson, *Prin. Jr. Mkt. Spec.*
J. A. Thomas, Jr., *Prin. Jr. Mkt. Spec.*
Minneapolis:
R. H. Black, A.B., *Sr. Mkt. Spec.*
F. A. Cummings, *Assoc. Mkt. Spec.*
C. A. Waalen, *Assoc. Mkt. Spec.*
M. J. Johnson, *Asst. Mkt. Spec.*
E. C. Noll, *Asst. Mkt. Spec.*
W. L. Moline, *Prin. Jr. Mkt. Spec.*
W. W. Amidon, *Prin. Jr. Mkt. Spec.*
Missouri:
Kansas City:
Martin Schuler, *Assoc. Mkt. Spec.*
J. E. Elstner, *Assoc. Mkt. Spec.*
Lee Gallaher, *Assoc. Mkt. Spec.*
C. B. Wright, *Assoc. Mkt. Spec.*
R. C. Wright, *Assoc. Mkt. Spec.*
G. F. Hester, *Asst. Mkt. Spec.*
A. V. Jones, *Asst. Mkt. Spec.*
St. Joseph:
J. E. Bohn, B.S., *Asst. Mkt. Spec.*
J. N. Mitchell, *Prin. Jr. Mkt. Spec.*
St. Louis:
C. B. Barron, *Sr. Mkt. Spec.*
A. R. Matters, B.S., *Assoc. Mkt. Spec.*
R. W. Taylor, *Assoc. Mkt. Spec.*
Montana—Great Falls:
R. W. Skelton, *Assoc. Mkt. Spec.*
Nebraska—Omaha:
H. E. Nelson, *Sr. Mkt. Spec.*
G. L. Holtzscherer, *Asst. Mkt. Spec.*
W. T. Bailey, *Prin. Jr. Mkt. Spec.*
New Jersey—Hoboken:
J. T. Pugsley, *Prin. Jr. Mkt. Spec.*
New York:
Albany:
A. S. Kirkwood, *Prin. Jr. Mkt. Spec.*
Buffalo:
J. J. Dwyer, *Mkt. Spec.*
J. T. Cavanagh, *Assoc. Mkt. Spec.*
J. E. Kraus, *Asst. Mkt. Spec.*
T. P. Martin, *Prin. Jr. Mkt. Spec.*
New York:
Philip Rothrock, B.S., *Sr. Mkt. Spec.*
Wm. Kurtz, *Asst. Mkt. Spec.*
A. C. Schafer, *Prin. Jr. Mkt. Spec.*
Ohio:
Cincinnati:
L. F. Butler, *Asst. Mkt. Spec.*
Toledo:
H. F. Prue, *Assoc. Mkt. Spec.*
R. F. Gordon, *Asst. Mkt. Spec.*
Oklahoma:
Oklahoma City:
H. L. Binkley, *Asst. Mkt. Spec.*
Enid:
H. N. Holmes, *Asst. Mkt. Spec.*
Oregon:
Portland (Pacific coast hdqrs.):
B. W. Whitlock, B.S., *Sr. Mkt. Spec. in charge.*
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Portland (district):
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Guy Fisher, *Prin. Jr. Mkt. Spec.*
E. D. Gilman, *Prin. Jr. Mkt. Spec.*
John McGuire, *Prin. Jr. Mkt. Spec.*
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W. M. Smith, *Assoc. Mkt. Spec.*
J. N. Arndt. *Asst. Mkt. Spec.*
C. R. Holter, *Prin. Jr. Mkt. Spec.*
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Administration of Grain Standards Act—Con.
FIELD HEADQUARTERS—Continued.
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Memphis:
F. B. Simpson, *Asst. Mkt. Spec.*
Nashville:
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Texas:
Fort Worth:
C. W. Griffin, *Assoc. Mkt. Spec.*
W. L. Wood, *Asst. Mkt. Spec.*
Galveston:
J. R. Holmes, *Assoc. Mkt. Spec.*
John Hey, *Prin. Jr. Mkt. Spec.*
Utah—Ogden:
L. W. Grandy, *Asst. Mkt. Spec.*
Washington:
Seattle:
H. W. Moering, *Asst. Mkt. Spec.*
L. B. McKee, *Prin. Jr. Mkt. Spec.*
Spokane:
G. A. Hardgrove, *Asst. Mkt. Spec.*
Tacoma:
T. A. Stevens, *Asst. Mkt. Spec.*
Wisconsin—Milwaukee:
W. L. Ingles, *Assoc. Mkt. Spec.*
E. P. Wrafter, *Asst. Mkt. Spec.*
J. J. Mackesy, Jr., *Prin. Jr. Mkt. Spec.*

Inspection Efficiency, Grain Standards Act:
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W. B. Combs, B.S., *Mkt. Spec.*
L. N. Grant, *Asst. Mkt. Spec.*
Oregon—Portland:
R. E. White, *Assoc. Mkt. Spec.*

Board of Review, Grain Standards Act:
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A. F. Nelson, *Sr. Mkt. Spec.*
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C. Louise Phillips, M.S., *Sci. Asst.*
Rice Grading (field):
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Robt. M. Gehl, *Assoc. Mkt. Spec.*
G. P. Bodnar, B.S., *Assoc. Mkt. Spec.*
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Bulk Handling Investigations (Field):
California—San Francisco:
E. N. Bates, B.S., M.E., *Sr. Mkt. Spec.*

Milling, Baking, and Chemical Laboratory:
D. A. Coleman, M.S., Ph.D., *Sr. Mkt. Spec.*
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Alfred Christie, Jr., M.A., *Asst. Mkt. Econ.*
H. B. Dixon, M.S., *Asst. Chem.*
J. F. Hayes, B.S., *Asst. Grain Technol.*
Elwood Hoffecker, B.S., *Asst. Grain Technol.*
B. E. Rothgeb, *Chief Sci. Aid.*
Ray Weaver, *Prin. Sci. Aid.*

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- Gordon W. Sprague, M.S., *Assoc. Mkt. Spec.*

Market News Service on Dairy and Poultry Products:
- Leon M. Davis, B.S., *Sr. Mkt. Spec.*
- B. H. Bennett, M.S., *Assoc. Mkt. Spec.*
- Walter J. Venske, B.S., *Assoc. Mkt. Spec.*

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    - Almo G. Abell, B.S., *Assoc. Mkt. Spec.*
  - San Francisco:
    - Frank H. McCampbell, B.S., *Assoc. Mkt. Spec.*
    - D. D. Moosman, M.S., *Asst. Mkt. Spec.*
    - H. G. F. Hamann, *Agent.*
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  - Floyd R. Simpson, B.S., *Jr. Mkt. Spec.*
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  - G. H. Powers, B.S., *Asst. Mkt. Spec.*
- New York—New York:
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  - Lester Kilpatrick, M.S., *Assoc. Mkt. Spec.*
  - Wm. B. S. Woodward, B.S., *Jr. Mkt. Spec.*
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O. A. Faris, B.S. in C.E., *Assoc. Irrig. Engr.*
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L. M. Winsor, B.S., in I.E., M.S., *Irrig. Engr.*

DIVISION OF DRAINAGE AND SOIL EROSION CONTROL

Lewis A. Jones, C.E., *Chief.*
F. E. Staebner, A.B., *Assoc. Drain. Engr.*
J. G. Sutton, B.S. in C.E., *Asst. Drain. Engr.*

Soil Erosion Control:

FIELD HEADQUARTERS:
Iowa—Clarinda:
R. A. Norton, B.S. in A.E., B.S. in C.E., *Assoc. Agr. Engr.*
Kansas—Hays:
R. R. Drake, B.S., in A.E., *Jr. Agr. Engr.*
Missouri—Bethany:
A. T. Holman, B.S. in A.E., *Agr. Engr.*
North Carolina—Statesville:
V. D. Young, B.S. in A. E., M.S. in Agr., *Asst. Agr. Engr.*
F. O. Bartel, C.E., *Agr. Engr.*
Ohio—Zanesville:
Oklahoma—Guthrie (hdqrs.):
C. E. Ramser, B.S. in C.E., *Sr. Drain. Engr.*
H. S. Riesbol, B.S. in C.E., *Jr. Civil Engr.*
Texas:
Temple:
H. O. Hill, B.S in C.E., *Jr. Civil Engr.*
Tyler:
R. W. Baird, B.S. in A.E., *Assoc. Agr. Engr.*
Washington—Pullman:
P. C. McGrew, B.S. in C.E., *Agr. Engr.*
Wisconsin—La Crosse:
F. E. Hardisty, C.E., *Assoc. Agr. Engr.*

Drainage:

FIELD HEADQUARTERS:
Delaware—Dover:
W. D. Ellison, B.S. in C.E., *Asst. Drain. Engr.*
Iowa—Iowa City (Coop. with Univ. of Iowa):
D. L. Yarnell, B.C.E., C.E., M.Sc., *Sr. Drain. Engr.*
Louisiana—Houma:
B. O. Childs, B.S. in C.E., *Assoc. Agr. Engr.*
Minnesota—St. Paul (Coop. with Univ. of Minn.):
D. G. Miller, B.S. in C.E., *Sr. Drain. Engr.*
Oklahoma—Guthrie:
P. L. Hopkins, B.S. in C.E., *Jr. Civil Engr.*

Irrigation in the Humid Regions:

FIELD HEADQUARTERS:
New Jersey—Vineland:
G. A. Mitchell, M.S., S.E., *Agt.*

DIVISION OF MECHANICAL EQUIPMENT

R. B. Gray, B.S. in E.E., B.S. in A.E., A.E., *Chief.*
W. M. Hurst, B.S. in Agr., B.S. in A.E., *Assoc. Agr. Engr.*
W. R. Humphries, *Chief Engr. Aid.*
Lillian Church, *Sr. Clerk.*

Mechanical Corn-Borer Control:

FIELD HEADQUARTERS:
Illinois—Urbana (Coop. with Univ. of Ill.):
T. Cleaver, B.S. in A.E., *Jr. Agr. Engr.*
New Jersey—Moorestown:
Frank Irons, B.S. in A.E., *Assoc. Agr. Engr.*
Ohio—Toledo (hdqrs.):
R. M. Merrill, B.S. in A.E., *Agr. Engr.*
O. K. Hedden, B.S. in A.E., *Asst. Agr. Engr.*
A. H. Glaves, B.S. in A.E., *Jr. Agr. Engr.*

Fertilizer Distributing Machinery:
FIELD HEADQUARTERS:
Virginia—Arlington Exp. Farm:
G. A. Cumings, B.S. in A.E., *Agr. Engr.*
A. L. Sharp, B.S. in A.E., *Jr. Agr. Engr.*
W. H. Redit, B.S. in A.E., *Jr. Agr. Engr.*

Sugar Beet Production Machinery:
FIELD HEADQUARTERS:
Colorado—Fort Collins:
E. M. Mervine, M.E., *Agr. Engr.*
California—Davis:
S. W. McBirney, B.S. in A.E., *Asst. Agr. Engr.*

Forage Drying Machinery:
FIELD HEADQUARTERS:
Louisiana—Jeanerette:
E. D. Gordon, M.S. in A.E., *Assoc. Agr. Engr.*

Corn Production Machinery:
FIELD HEADQUARTERS:
Iowa—Ames:
C. K. Shedd, B.S. in Agr., B.S. in A.E., *Agr. Engr.*
L. G. Schoenleber, B.S. in A.E., *Jr. Agr. Engr.*

Cotton Production Machinery:
FIELD HEADQUARTERS:
Alabama—Auburn:
J. W. Randolph, M.S. in A.E., *Agr. Engr.*
I. F. Reed, B.S. in A.E., *Asst. Agr. Engr.*

Mechanical Control of Pink Bollworm:
FIELD HEADQUARTERS:
Texas—Presidio:
D. A. Isler, B.S. in A.E., *Asst. Agr. Engr.*

Spraying and Dusting Machinery:
FIELD HEADQUARTERS:
Georgia—Albany:
E. M. Dieffenbach, B.S. in M.E., *Asst. Mech. Engr.*

DIVISION OF STRUCTURES

Wallace Ashby, B.S. in A.E., A.E., *Chief.*
M. A. R. Kelley, B.S. in M.E., B.S. in A.E., A.E., *Agr. Engr.*
S. J. Dennis, M.E., *Assoc. Refrig. Engr.*
A. H. Senner, B.Engr., *Assoc. Mech. Engr.*
G. M. Warren, B.S. in C.E., *Assoc. Hydraulic Engr.*
W. V. Hukill, B.S. in M.E., *Asst. Mech. Engr.*
J. R. McCalmont, B.S. in A.E., *Jr. Agr. Engr.*
FIELD HEADQUARTERS:
Maine—Presque Isle:
A. D. Edgar, B.S. in A.E., *Assoc. Agr. Engr.*

DIVISION OF PLANS AND SERVICE

M. C. Betts, *Chief.*
J. T. Bowen, B.S. in E.E., *Sr. Elec. Engr.*
T. A. H. Miller, B.S. in C.E., *Agr. Engr.*
H. A. Magnuson, *Asst. Archt. Engr.*
E. T. Davis, *Archt. Drft.*

EXTENSION ACTIVITIES

S. P. Lyle, M.S. in A.E., *Sr. Agr. Engr.*

SPECIAL ASSIGNMENTS

Farm-Land Development:
FIELD HEADQUARTERS:
Minnesota—St. Paul:
N. A. Kessler, B.S. in Forestry, *Assoc. Land Clearing Spec.*
Tennessee—Memphis:
O. M. Page, B.S. in C.E., *Agr. Engr.*
Virginia—Richmond:
George R. Shier, B.S. in A.E., *Jr. Agri. Engr.*

Cotton Ginning:
FIELD HEADQUARTERS:
Mississippi—Stoneville:
C. A. Bennett, B.S. in M.E., *Mech. Engr.*
V. L. Stedronsky, B.S. in M.E. *Jr. Mech. Engr.*

BUREAU OF ANIMAL INDUSTRY

John R. Mohler, A.M., V.M.D., D.Sc., *Chief.*
U. G. Houck, B.S., D.V.M., *Assoc. Chief.*
A. W. Miller, D.V.S., *Asst. Chief.*

ADMINISTRATIVE DIVISION

Business Offices:
Charles C. Carroll, A.M., *Sr. Admin. Off. in charge.*
John R. Cohran, *Chief Clerk.*
Harry Goding, LL.B., *Atty.*
R. S. Allen, *Asst. in Exhibits.*
Mary F. Thompson, A.B., *Asst. Libr.*
George R. Brown, *Asst. in charge of Personnel.*
George F. Tucker, *Asst. in charge of Acct.*
Harry E. Moran, *Asst. in charge of Bookkeeping, Budget, and Reports.*
Harry L. Watson, A.B., LL.B., *Asst. in charge of Property and Supplies.*
Charles R. Barnett, *Asst. in charge of Mails and Files.*

Editorial and Agricultural Information:
Dallas S. Burch, B.S.A., *Agr. Ed., in charge, Asst. to Chief.*
Ralph Erskine, B.S., *Agr. Writer.*
Ada T. Smith,* A.B., *Prin. Clerk.*
Louis V. Woulfe, *Asst.*

EXPERIMENT STATION, BETHESDA, MD.

W. E. Cotton, D.V.M., *Prin. Vet. Supt.*
John M. Buck, D.V.M., *Sr. Bact., Asst. Supt.*
Howard E. Smith, D.V.M., *Assoc. Vet.*
A. B. Crawford, D.V.M., *Asst. Vet.*
P. H. Hartman, V.M.D., *Jr. Vet.*

ANIMAL HUSBANDRY DIVISION

E. W. Sheets, M.S., D.Agr., *Prin. An. Husb., Chief.*
D. A. Spencer, B.S., *Sr. An. Husb., Asst. Chief.*
William Jackson, B.S.A., *Assoc. An. Husb., Asst. to Chief.*
Thomas H. Bartilson, B.S., *Assoc. An. Husb.*
W. A. Stenhouse, *Prin. Photographer.*
Barbara F. Glessing, A.B., *Prin. Translator.*
C. S. Kelleher, *Chief Engr. Aid.*
Jessie Urner, B.C.S., *Jr. Libr. Asst.*

Beef and Dual-Purpose Cattle:

Chief of Div. in Charge.
W. H. Black, B.S., *Sr. An. Husb., in charge, beef-cattle inves.*
James A. Gamble, M.S., Ph.D., *Sr. Milk Technol. in charge, dual-purpose cattle inves.*
E. W. McComas, B.S., *Assoc. An. Husb.*
A. C. Cook, M.S., *Assoc. An. Husb.*
Glenn L. Barnum, B.S., *Jr. Chem.*

Swine:

O. G. Hankins, B.S., *Sr. An. Husb., in charge.*
E. Z. Russell, *Sr. An. Husb.*
J. H. Zeller, B.S., *Assoc. An. Husb.*
R. W. Riemenschneider, A.B., M.S., *Jr. Chem.* (*nutrition*).

Sheep, Goats, and Animal Fibers:

D. A. Spencer, B.S., *Sr. An. Husb., in charge.*
J. I. Hardy, M.S.A., Ph.D., *Sr. An. Husb.*
James A. Gamble, M.S., Ph.D., *Sr. Milk Technol.*
C. G. Potts, B.S., *An. Husb.*
A. K. Besley, M.S., Ph.D., *Assoc. Bacteriol.*
Imogene P. Earle,* M.A., Ph.D., *Assoc. Biochem.* (*nutrition*).
Mary B. Potts,* A.B., *Asst. An. Husb.*
V. L. Simmons, B.S., *Jr. An. Husb.*
J. O. Grandstaff, B.S., *Jr. An. Fiber Technol.*
David Miller, B.S., M.A., *Jr. Chem.* (*nutrition*).

Horses and Mules:

J. O. Williams, B.S.A., *Sr. An. Husb., in charge.*
S. R. Speelman, B.S.A., *Assoc. An. Husb.*
L. M. Dean, *Sr. Sci. Aid.*

Poultry:

M. A. Jull, M.Sc., Ph.D., *Sr. Poul. Husb., in charge.*
T. C. Byerly, M.S., Ph.D., *Physiol.* (*hatchability*).
H. W. Titus, A.M., Ph.D., *Biol. Chem.* (*nutrition*).
H. G. Barott, E.E., *Poultry Technol.* (*physics of incubation*).
A. R. Lee, B.S., *Assoc. Poultry Husb.*
James C. Fritz, B.S., *Jr. Biol.* (*nutrition*).
H. M. Harshaw, M.S., Ph.D., *Asst. Biochem.* (*nutrition*).
A. B. Godfrey, B.S., *Jr. Poultry Husb.* (*breeding*).
John C. Hammond, Jr., B.S., *Jr. Biol.* (*nutrition*).
W. A. Hendricks, A.B., *Jr. Biol.* (*nutrition*).
E. McNally, B.S., *Jr. Biol.* (*hatchability*).
Ralph B. Nestler, B.S., *Jr. Biol.* (*nutrition*).
Marlow W. Olsen, M.S., *Jr. Biol.* (*hatchability*).
John M. Spadola, A.M., *Jr. Chem.* (*nutrition*).
J. P. Quinn, A.B., *Chief Sci. Aid* (*breeding*).
S. K. Haynes, *Chief Sci. Aid.*
Emma M. Pringle,* *Asst. Sci. Aid* (*physics of incubation*).
W. R. Kauffman, *Lab. Aid* (*nutrition*).

Genetics:

H. C. McPhee, M.S., Sc.D., *Sr. An. Husb. in charge.*
C. W. Knox, M.S., Ph.D., *Poultry Geneticist.*
O. N. Eaton, M.S., *Assoc. An. Husb.*
I. L. Towers, M.Sc., *Lab. attendant.*

NOTE.—Workers in genetics are listed under various sections.

Nutrition:

Paul E. Howe, M.A., Ph.D., *Sr. Chem., in charge.*
N. R. Ellis, B.A., M.S., *Chem.*
H. W. Titus, A.M., *Biol. Chem.* (*poultry*).
G. H. Kennedy, A.B., *Jr. Biol.*
Russell E. Davis, B.S., Ph.D., *Asst. Biochem.* (*nutrition*).

NOTE.—Workers in nutrition are listed under various sections.

Meat:

O. G. Hankins, B.S., *Sr. An. Husb., in charge.*
K. F. Warner, A.B., M.S., *An. Husb.* (*in coop. with Off. of Coop. Ext. Work*).
N. G. Barbella, A.B., M.S., *Assoc. Biochem.*
R. L. Hiner, B.S., *Jr. An. Husb.*
A. K. Besley, M.S., Ph.D., *Assoc. Bacteriol.*
Herbert N. Baker, B.S., *Asst. An. Husb.*
Nancy Griswold Clark,* A.B., *Jr. Home Econ. Spec.* (*in coop. with Bur. of Home Econ.*).
Gladys Leavell, M.S., Ph.D., *Jr. Chem.* (*nutrition*).
W. G. Rose, B.S., *Jr. Chem.* (*nutrition*).
W. R. Kauffman, *Lab. Aid* (*nutrition*).

Pasture and Forage Investigations:

A. T. Semple, B.S., *Assoc. An. Husb., in charge.*

Extension:

C. D. Lowe, D.V.M., *Sr. Ext. An. Husb.* (*in coop. with Off. of Coop. Ext. Work*).
H. L. Shrader, B.S., *Sr. Ext. Poultry Husb.* (*in coop. with Off. of Coop. Ext. Work*).
K. F. Warner, B.A., M.S., *An. Husb.* (*in coop. with Off. of Coop. Ext. Work*).
E. Z. Russell, *Sr. An. Husb.* (*in coop. with State and other agencies*).

Animal Husbandry Experiment Station, Beltsville, Md. (beef and dual-purpose cattle, swine, sheep, goat, poultry, horse, meat, milk, and animal fiber inv., supervised by chief of div. and heads of respective sections):

B. F. Brandon, B.S.A., *An. Husb., Supt.*
T. D. John, *Sci. Aid.*
Hale F. Sehorn, B.S., in C.E., *Asst. Lab. Aid.*

NOTE.—Technical workers assigned to Beltsville are listed under various sections.

FIELD STATIONS:

Alabama—Auburn (beef cattle inv. in coop. with Ala. Agr. Exp. Sta.):
R. S. Sugg, D.V.M., B.S., *Agt. in An. Husb.*
Arizona—Glendale (Southwest Poultry Exp. Sta.):
B. W. Heywang, B.S.A., *Assoc. Poultry Husb., in charge.*
R. B. Morgan, B.S., *Jr. Poultry Husb.*
Florida:
Belle Glade (beef and dual-purpose cattle inves., in coop. with Univ. of Fla.):
R. W. Kidder, B.S., *Agt. in An. Husb.*
Brooksville (Chinsegut Hill Sanctuary; beef and dual-purpose cattle, and related livestock inv. in coop. with Univ. of Fla.):
W. F. Ward, M.S., *Agt. in An. Husb.* (*coop.*), *in charge.*
M. E. Hammond, *Agt. in An. Husb.* (*coop.*).
Gainesville (beef and dual-purpose cattle inv. in coop. with Univ. of Fla.):
Bradford Knapp, Jr., M.S., *Asst. An. Husb., in charge.*

Animal Husbandry, etc.—Continued.
FIELD STATIONS—Continued.
Florida—Continued.
Gainesville, etc.—Continued.
W. J. Sheely, B.S., *Agt. in An. Husb. (coop.).*
NOTE.—Cooperation is maintained at branch stations at Belle Glade, Quincy, and other locations.
Georgia:
Athens (beef cattle inv. in coop. with Ga. State. Coll. of Agr.):
W. T. Bennett, B.S., *Agt. in An. Husb., in charge.*
C. G. Garner, B.S., *Agt. in An. Husb.*
L. H. Marlatt, *Agt. in An. Husb.*
Tifton (beef cattle inv. in coop. with Bur. of Pl. Ind. and Ga. Coastal Plain Exp. Sta.):
S. H. Starr, B.S., *Agt. in An. Husb. (coop.).*
B. L. Southwell, M.S.A., *Agt. in An. Husb. (coop.).*
J. G. Whigham, *Agt. in An. Husb. (coop.).*
Idaho—Dubois (U.S. Sheep Exp. Sta.):
J. M. Cooper, B.S., *Assoc. An. Husb., in charge.*
John A. Stoehr, B.S., *Asst. An. Husb.*
K. P. Pickrell, B.S.A., *Assoc. An. Husb.*
Louisiana:
Baton Rouge (beef cattle inv. in coop. with La. A. and M. Coll.):
W. T. Cobb, B.S., *Agt. in An. Husb. (coop.).*
Jeanerette (Iberia Livestock Expt. Farm; beef cattle, pasture, forage-crop, swine, and mule inves., in coop. with Bur. of Pl. Ind., Bur. of Dairy Ind., Bur. Agr. Engr., and La. Exp. Sta.):
W. R. Dodson, B.S., A.B., *Agt. in An. Husb., in charge.*
C. W. Edwards, B.S., *Assoc. An. Husb.*
S. L. Cathcart, B.S.A., *Agt. in Dairying (coop.).*
R. B. Carr, M.S., *Agt. in Forage Crops.*
NOTE.—Technical workers in dairying, pasture and forage-crop production, and agricultural engineering are listed under their respective bureaus.
Mississippi:
A. and M. Coll. (beef cattle inv. in coop. with Miss. Agr. Exp. Sta.):
J. R. Ricks, M.S., *Agt. in An. Husb.*
McNeill (Coastal Plain Exp. Sta.; beef cattle, swine, and sheep inv., in coop. with Miss. Exp. Sta.):
S. W. Greene, B.S.A., M.S., *Assoc. An. Husb. (Coop.)*, in charge.
H. I. Harris, B.S.A., *Agt. in An. Husb. (coop.).*
H. R. Reed, *Asst. Agron.*
Missouri:
Columbia (swine inv., in coop. with Mo. Exp. Sta.):
F. F. McKenzie, M.A., Ph.D., *Agt. in An. Husb. (coop.) in charge.*
James E. Comfort, B.S., A.M., *Agt. in An. Husb.*
Grain Valley (beef and dual-purpose cattle and pasture inv., in coop. with Bur. of Pl. Ind. and Mo. Exp. Sta.):
M. W. Hazen, M.S., *Jr. An. Husb.*
Montana—Miles City (U.S. Range Livestock Exp. Sta.; beef and dual-purpose cattle, sheep, swine, horse, range, and poultry inv., in coop. with Mont. Exp. Sta.):
J R. Quesenberry, B.S.A., M.S., *Sr. An. Husb., in charge.*
R. E. Hutton, B.S.A., *Asst. An. Husb.*
S. L. Smith, B.S., *Asst. An. Husb.*
E. B. Osborn, D.V.M., M.S., *Jr. An. Husb.*

Animal Husbandry, etc.—Continued.
FIELD STATIONS—Continued.
Montana—Miles City, etc.—Continued.
S. J. Marsden, B.S., *Assoc. Poultry Husb.*
North Carolina:
Raleigh (beef-cattle inv. in coop. with N.C. State College of Agr.):
E. H. Hostetler, B.S.A., M.S., *Agt. in An. Husb.*
L. I. Case, M.S., *Agt. (coop.).*
Wenona (beef-cattle inv. in coop. with N.C. State College of Agr. and State Dept. of Agr.):
J. L. Rea, Jr., B.S., *Agt. in An. Husb.*
F. B. Harris, *Agt. in An. Husb.*
Willard (beef and milk production in dual-purpose cattle):
F. E. Miller, B.S., *Agt. (coop.), in charge.*
T. H. Cameron, *Agt.* (coop.).
D. P. Southerland, *Agt. (coop.).*
North Dakota—Watford City (beef-cattle inv. in coop with Bur. Agr. Econ. and N.Dak. Agr. Exp. Sta.):
M. B. Johnson, *Agt. (coop.), in charge.*
South Carolina (beef cattle, swine and pasture inv. in coop. with Clemson Agr. Coll.)
Clemson College:
E. D. Kyzer, B.S., *Agt. in An. Husb. (coop.)*
Columbia:
J. R. Hawkins, M.S., *Agt. in An. Husb. (coop.).*
Summerville:
T. M. Clyburn, B.S., *Agt. in An. Husb. (coop.).*
South Dakota — Ardmore (beef-cattle, range, and swine inv.):
A. L. Baker, B.S., *Asst. An. Husb., in charge.*
Verner I. Clark, *Sci. Aid.*
Texas:
Big Spring (beef-cattle inv. in coop. with Bur. of Pl. Ind. and Texas Exp. Sta.):
Fred E. Keating, B.S., *Assoc. Agron.* (Bur. of Pl. Ind.) *in charge.*
College Station (beef cattle and meat inv. in coop. with Tex. A. and M. Coll. and Tex. Exp. Sta.):
J. M. Jones, M.A., *Consult. An. Husb., Chief, Div. of Range An. Husb., Tex. Exp. Sta., in charge.*
A. L. Smith, B.S., *Agt. in An. Husb. (coop.).*
R. W. Snyder, M.S., *Agt. in An. Husb. (coop.).*
NOTE.—Cooperation is maintained at the Tex. State branch stations.
Vermont—Middlebury (Morgan Horse Farm; horse, sheep, beef and dual-purpose cattle, and pasture inv.):
E. B. Krantz, B.S.A., M.S., *Assoc. An. Husb., in charge.*
West Virginia—Lewisburg (beef-cattle inv., in coop. with W.Va. Exp. Sta.):
R. H. Tuckwiller, B.S., *Agt. in An. Husb., in charge.*

BIOCHEMIC DIVISION

M. Dorset, B.S., M.D., D.V.M., *Prin. Biochem., Chief.*
James A. Emery, M.D., *Sr. Biochem., Asst. Chief.*

Chemical Investigations Dips and Disinfectants:
Robert M. Chapin, B.A., *Sr. Biochem.*
Percy W. LeDuc, A.B., *Assoc. Chem.*

Investigations of Hog Cholera (Washington, D.C.):
Chief of Div. in charge:
Frank W. Tilley, A.B., M.D., *Sr. Bact.*
Angus D. MacDonald, D.V.M., *Asst. Vet.*

Investigations of Hog Cholera—Continued.
FIELD STATION:
Iowa—Ames:
Charles N. McBryde, M.S., M.D., Ph.D., *Bact., in charge.*
C. G. Cole, D.V.M., *Asst. Vet.*

Chemical Investigations Toxins and Antitoxins:
Robert R. Henley, M.S., *Sr. Biochem.*
Percy W. LeDuc, A.B., *Assoc. Chem.*
Angus D. MacDonald, D.V.M., *Asst. Vet.*

Meat Inspection Research:
Value of different tissues for food:
Ralph Hoagland, B.Agr., *Sr. Biochem.*
Wilmer C. Powick, B.S., *Sr. Biochem.*
G. G. Snider, A.B., *Sr. Sci. Aid.*

Investigation of Relation Between Chemical Structure and Parasiticidal Power (In coop. with Zoological Div.):
Jacob M. Schaffer, M.S., *Chem.*

Chemical and Bacteriological Investigations of Antigens (In coop. with Path. Div.):
Jacob M. Schaffer, M.S., *Chem.*
Angus D. MacDonald, D.V.M., *Asst. Vet.*

Bacteriological Investigations Disinfectants:
Frank W. Tilley, A.B., M.D., *Sr. Bact.*

Preparation and Distribution Tuberculin and Mallein:
Percy W. LeDuc, A.B., *Assoc. Chem.*
Albert M. West, B.S., *Asst. Bact.*
Angus D. MacDonald, *D.V.M., Asst. Vet.*
Joseph W. Etheridge, D.V.M., *Jr. Vet.*
Oscar H. Griffith, *Under Sci. Helper.*

FIELD INSPECTION DIVISION

G. W. Pope, D.V.S., *Prin. Vet., Chief.*
S. O. Fladness, D.V.M., *Sr. Vet. Asst. Chief.*

International Inspection and Quarantine:
FIELD STATIONS:
Arizona:
Phoenix:
H. R. Collins, D.V.S., *Assoc. Vet., Insp. in charge.*
H. L. Box, D.V.S., *Asst. Vet.*
California:
Calexico:
J. C. Pace, D.V.S., *Asst. Vet., Insp. in charge.*
Los Angeles:
E. D. Kennedy, D.V.S., *Vet., Insp. in charge.*
San Diego:
A. J. Maloney, D.V.M., *Assoc. Vet., Insp. in charge.*
San Francisco:
Meier Brodner, D.V.S., *Asst. Vet., Insp. in charge.*
H. H. Hicks, M.D.V., *Asst. Vet.*
England—London:
R. W. Tuck, D.V.S., *Sr. Vet., Insp. in charge.*
Florida:
Jacksonville:
F. W. Cole, D.V.M., *Vet., Insp. in charge.*
Louisiana—New Orleans:
B. F. Gooch, D.V.S., *Assoc. Vet., Insp. in charge.*
Maine:
Calais:
R. D. Hyde, D.V.M., *Asst. Vet., Insp. in charge.*
Houlton:
I. H. Kaufman, D.V.M., *Asst. Vet., Insp. in charge.*
Portland:
D. D. Callahan, *Prin. Lay Insp., in charge.*
Maryland—Baltimore:
R. W. Culbert, M.D.V., *Sr. Vet., Insp. in charge.*
Massachusetts—Boston:
R. F. Vermilya, D.V.M., *Sr. Vet., Insp. in charge.*

International Inspection, etc.—Continued.
FIELD STATIONS—Continued.
Michigan:
Detroit:
C. E. Mootz, D.V.M., *Vet., Insp. in charge.*
Sault Ste. Marie, Mich.:
D. B. Allen, V.S., *Agt., in charge.*
Montana—Helena:
J. W. Murdoch, D.V.S., *Assoc. Vet., Insp. in charge.*
W. E. Logan, D. V. M., *Asst. Vet.*
New Jersey—Clifton:
James Fleming, V.S., M.D., *Sr. Vet., Insp. in charge.*
New York:
Albany:
E. P. Barnhart, D.V.M., *Assoc. Vet., Insp. in charge.*
Buffalo:
C. J. Millen, D.V.M., *Sr. Vet., Insp. in charge.*
B. P. Wende, V.S., *Assoc. Vet.*
Ogdensburg:
C. O. Benson, D.V.S., *Asst. Vet., Insp. in charge.*
Rouses Point:
D. G. Shumway, V.D.M., *Asst. Vet., Insp. in charge.*
Watertown:
L. N. Dodge, D.V.M., *Agt., Insp. in charge.*
North Dakota—Bismarck:
H. H. Cohenour, M.D.V., *Assoc. Vet., Insp. in charge.*
G. H. Ehlers, D.V.M., *Asst. Vet.*
R. E. Shigley, M.D.C., *Agt.*
Oregon—Portland:
P. P. Taylor, D.V.M., *Assoc. Vet., Insp. in charge.*
Pennsylvania—Philadelphia:
Thomas Castor, V.M.D., *Assoc. Vet., Insp. in charge.*
Puerto Rico—San Juan:
Francisco Menendez Guillot, V.M.D., *Agt. in charge.*
Texas:
El Paso:
S. V. Evers, D.V.S., *Asst. Vet., Insp. in charge.*
Houston:
C. H. Horcher, D.V.M., *Assoc. Vet., Insp. in charge.*
San Antonio:
Wm. Thompson, M.D.C., *Assoc. Vet., Insp. in charge.*
N. E. Dutro, D.V.S., *Asst. Vet.*
W. E. Turner, D.V.M., *Asst. Vet.*
Vermont:
Newport:
J. E. Spindler, D.V.M., *Asst. Vet., Insp. in charge.*
St. Albans:
A. Berdan, D.V.S., *Asst. Vet., Insp. in charge.*
Virginia:
Norfolk:
J. M. Harris, *Prin. Lay Insp., in charge.*
Washington:
Seattle:
C. L. Norris, D.V.S., *Assoc. Vet., Insp. in charge.*
Spokane:
J. R. Aufente, D.V.S., *Assoc. Vet., Insp. in charge.*
Tacoma:
A. N. McGregor, D.V.M., *Assoc. Vet., Insp. in charge.*

Scabies and Dourine Eradication:
California—Sacramento:
W. E. Howe, V.S., D.V.M., *Assoc. Vet., Insp. in charge.*
C. J. Cook, D.V.M., *Asst. Vet.*
Chas. Pearson, D.V.S., *Asst. Vet.*
D. E. Settle, D.V.S., *Asst. Vet.*

Scabies and Dourine Eradiction—Continued.
Colorado—Denver:
J. O. Wilson, D.V.M., *Assoc. Vet., Insp. in charge.*
C. E. Burkholder, D.V.S., *Asst. Vet.*
L. B. Dunlap, D.V.M., *Asst. Vet.*
C. C. Robenstein, D.V.M., *Asst. Vet.*
G. R. Teeple, V.S., *Asst. Vet.*
Kansas—Topeka:
N. L. Townsend, V.M.D., *Assoc. Vet., Insp. in charge.*
P. I. Kershner, D.V.S., *Asst. Vet.*
Chas. Webster, D.V.M., *Asst. Vet.*
Kentucky—Frankfort:
W. F. Biles, D.V.M., *Assoc. Vet., Insp. in charge.*
Warren Sorrell, D.V.S., *Asst. Vet.*
Louisiana—Baton Rouge:
W. A. McDonald, D.V.M., *Assoc. Vet., Insp. in charge.*
Montana—Helena:
J. W. Murdoch, D.V.S., *Assoc. Vet., Insp. in charge.*
W. E. Logan, D.V.M., *Asst. Vet.*
L. E. Patton, D.V.M., *Asst. Vet.*
Nebraska—Lincoln:
A. H. Francis, D.V.M., *Assoc. Vet., Insp. in charge.*
S. P. Bolstad, D.V.M., *Asst. Vet.*
S. W. Wiest, D.V.M., V. S., *Asst. Vet.*
Nevada—Reno:
R. A. Given, D.V.M., *Asst. Vet.*
F. C. Swaney, M.D.C., *Asst. Vet.*
New Mexico—Albuquerque:
F. L. Schneider, B.S., D.V.S., *Sr. Vet., Insp. in charge.*
T. W. Crump, D.V.S., *Asst. Vet.*
C. A. Curtis, D.V.S., *Asst. Vet.*
J. L. Flanigan, D.V.M., *Asst. Vet.*
M. A. Harp, D.V.M., *Asst. Vet.*
E. P. Johnson, M.D.V., *Asst. Vet.*
H. E. Kemper, D.V.M., *Asst. Vet.*
North Dakota—Bismarck:
H. H. Cohenour, M.D.V., *Assoc. Vet., Insp. in charge.*
Oklahoma—Oklahoma City:
L. J. Allen, V.S., *Sr. Vet., Insp. in charge.*
W. F. Dunaway, D.V.S., *Asst. Vet.*
South Dakota—Pierre:
C. H. Hays, D.V.M., *Assoc. Vet., Insp. in charge.*
G. W. Cronen, D.V.M., *Asst. Vet.*
C. C. Heacock, V.S., *Asst. Vet.*
Texas—Fort Worth:
H. L. Darby, D.V.S., *Sr. Vet., Insp. in charge.*
W. A. Curtis, D.V.S., *Asst. Vet.*
P. M. James, D.V.M., *Asst. Vet.*
J. G. Porter, V.M.D., *Asst. Vet.*
Utah—Salt Lake City:
F. E. Murray, D.V.M., *Assoc. Vet., Insp. in charge.*
Clifton Carter, A.B., D.V.S., *Asst. Vet.*
W. T. Huffman, M.D.V., *Asst. Vet.*
Washington—Olympia:
J. C. Exline, M.D.V., *Assoc. Vet., Insp. in charge.*
F. A. Barber, D.V.M., *Asst. Vet.*
G. T. Casper, M.D.V., *Asst. Vet.*
Wyoming—Cheyenne:
W. A. Sullivan, M.D.V., *Assoc. Vet., Insp. in charge.*
Edgar Heiny, D.V.M., *Asst. Vet.*
E. J. Drake, D.V.S., *Asst. Vet.*
J. H. Shoemaker, D.V.M., *Asst. Vet.*

DIVISION OF HOG-CHOLERA CONTROL

Directed by Assoc. Chief. of Bur.
T. P. White, D.V.S., *Sr. Vet., Asst. Chief.*

FIELD STATIONS (work conducted in coop. with State authorities):
Alabama—Montgomery:
R. E. Jackson, V.S., *Assoc. Vet., Insp. in charge.*
J. W. Venable, D.V.M., *Asst. Vet.*

FIELD STATIONS—Continued.
Colorado—Denver:
J. O. Wilson, D.V.M., *Assoc. Vet., Insp. in charge.*
Florida—Jacksonville:
T. W. Cole, D.V.M., *Vet., Insp. in charge.*
H. W. Willis, D.V.M., *Asst. Vet.*
Georgia—Atlanta:
W. C. Dendinger, D.V.M., *Assoc. Vet., Insp. in charge.*
Harry Trumbo, D.V.M., *Asst. Vet.*
Illinois—Springfield:
James McDonald, D.V.M., *Assoc. Vet., Insp. in charge.*
I. N. Habecker, M.D.V., *Asst. Vet.*
J. H. Murphy, D.V.M., *Asst. Vet.*
Indiana—Indianapolis:
H. Busman, V.S., M.D., *Vet., Insp. in charge.*
G. N. Wickwire, B.S., D.V.M., D.V.S., *Asst. Vet.*
H. C. Wilson, D.V.S., *Asst. Vet.*
Iowa—Des Moines:
J. A. Barger, D.V.S., *Sr. Vet., Insp. in charge.*
R. M. Hofferd, D.V.M., *Jr. Vet.*
J. O. F. Price, D.V.S., *Asst. Vet.*
Kansas—Topeka:
N. L. Townsend, V.M.D., *Assoc. Vet., Insp. in charge.*
Kentucky—Frankfort:
W. F. Biles, D.V.M., *Assoc. Vet., Insp. in charge.*
Ocie Carter, D.V.M., *Jr. Vet.*
R. D. Green, D.V.M., *Asst. Vet.*
Louisiana—Baton Rouge:
W. A. McDonald, D.V.M., *Assoc. Vet. Insp. in charge.*
E. B. Shaw, V.S., M.D.V., *Asst. Vet.*
Maryland—College Park:
Mark Welch, D.V.M., *Acting Insp. in charge.*
O. K. Hoffman, D.V.M., *Asst. Vet.*
E. J. McLaughlin, D.V.M., *Asst. Vet.*
Michigan—Lansing:
T. S. Rich, V.S., *Sr. Vet., Insp. in charge.*
W. J. Madell, D.V.M., *Asst. Vet.*
Mississippi—Jackson:
Hartwell, Robbins, D.V.S., *Vet., Insp. in charge.*
P. H. Mommsen, D.V.M., *Asst. Vet.*
Missouri—Jefferson City:
Ralph Graham, D.V.M., *Assoc. Vet., Insp. in charge.*
S. G. Dreppard, D.V.M., *Asst. Vet.*
Nebraska—Lincoln:
A. H. Francis, D.V.M., *Assoc. Vet., Insp. in charge.*
J. E. Peterman,[1] D.V.M., *Asst. Vet.*
North Carolina—Raleigh:
A. L. Hirleman, D.V.M., *Assoc. Vet., Insp. in charge.*
A. A. Husman,[1] D.V.M., *Asst. Vet.*
Ohio—Columbus:
A. J. DeFosset, D.V.M., *Sr. Vet., Insp. in charge.*
A. P. Abbott, M.D.V., *Asst. Vet.*
J. B. Hollenbeck, V.S., M.D.C., *Asst. Vet.*
Oklahoma—Oklahoma City:
L. J. Allen, V.S., *Sr. Vet., Insp. in charge.*
C. H. Fauks,[1] M.D.V., *Asst. Vet.*
R. T. Fisher,[1] D.V.S., *Asst. Vet.*
South Carolina—Columbia:
W. K. Lewis, V.S., M.D.V., *Sr. Vet. (coop.), Insp. in charge.*
E. E. Lent, D.V.M., *Asst. Vet.*
South Dakota—Pierre:
C. H. Hays, D.V.M., *Assoc. Vet., Insp. in charge.*
C. F. Harrington, M.D.C., *Asst. Vet.*

[1] Devotes part time to hog-cholera control work.

FIELD STATIONS—Continued.

Tennessee—Nashville:
H. L. Fry, D.V.M., *Assoc. Vet., Insp. in charge.*
J. P. O'Connor, D.V.S., *Asst. Vet.*
Texas—Fort Worth:
H. L. Darby, D.V.S., *Sr. Vet., Insp. in charge.*
F. D. Porter, V.M.D., *Asst. Vet.*
Virginia—Richmond:
R. E. Brookbank, D.V.S., *Assoc. Vet., Insp. in charge.*
T. M. Owen, D.V.S., *Asst. Vet.*
Washington—Olympia:
J. C. Exline, M.D.V., *Assoc. Vet., Insp. in charge.*
F. W. Beckman,[1] D.V.M., *Asst. Vet.*
G. T. Casper,[1] M.D.V., *Asst. Vet.*
L. C. Henderson,[1] D.V.S., *Asst. Vet.*
Wisconsin—Madison:
J. S. Healy, M.D.V., *Sr. Vet., Insp. in charge.*
H. D. Larzelere, D.V.M., *Asst. Vet.*

MEAT INSPECTION DIVISION

R. P. Steddom, V.S., *Prin. Vet. Chief.*
A. J. Pistor, D.V.S., *Sr. Vet., Asst. Chief.*
E. C. Joss, B.S., M.D.C., *Sr. Vet., Asst. chief.*
W. H. Smith, Jr., V.M.D., *Sr. Vet., in charge of special work.*
D. R. Gillies, V.S., M.D., *Sr. Vet., in charge of Label Section.*
G. H. Shaw, C.E., *Sr. Archt. Engr.*
R. H. Kerr, B.S., *Sr. Chem., in charge of Meat Insp. Labs.*
G. H. Parks, *Assoc. Sanitary Engr.*
L. T. Hopkins, D.V.M., *Assoc. Vet.*
H. R. McMillin, B.S., *Assoc. Chem.*
R. M. Mehurin, B.S., *Assoc. Chem.*
W. C. McVey, A.B., *Jr. Chem.*

FIELD STATIONS:

Alabama:
Birmingham:
O. E. Barth, M.D.C., *Assoc. Vet., Insp. in charge.*
T. S. Hopkins, D.V.M., *Jr. Vet.*
Montgomery:
F. M. Welch, D.V.M., *Asst. Vet., Insp. in charge.*
Tuscaloosa:
Roy Avant, D.V.M., LL.B., *Asst. Vet., Insp. in charge.*
Arizona—Phoenix:
H. R. Collins, D.V.S., *Assoc. Vet., Insp. in charge.*
J. E. Dwyer, D.V.M., *Asst. Vet.*
Arkansas—Fort Smith:
R. A. Wight, *Prin. Lay. Insp., in Charge.*
California:
Los Angeles:
E. D. Kennedy, D.V.S., *Vet. Insp. in charge.*
G. E. Abrams, D.V.S., *Asst. Vet.*
H. A. Allen, D.V.M., *Jr. Vet.*
R. N. Ashley, D.V.M., *Asst. Vet.*
J. E. Bard, D.V.S., *Asst. Vet.*
J. E. Ewers, D.V.S., *Asst. Vet.*
S. M. Fields, M.D.C., *Asst. Vet.*
G. E. Golden, M.D.V., *Asst. Vet.*
C. F. Kellogg, D.V.S., *Asst. Vet.*
A. R. Koen, D.V.S., *Asst. Vet.*
R. A. McFarland, D.V.M., *Asst. Vet.*
R. J. Robertson, D.V.M., *Asst. Vet.*
San Diego:
A. J. Maloney, D.V.M., *Assoc. Vet., Insp. in charge.*
H. O. Mantor, D.V.M., *Asst. Vet.*
C. A. Milner, D.V.S., *Asst. Vet.*

[1] Devotes part time to hog-cholera control work.

FIELD STATIONS—Continued.

California—Continued.
San Francisco:
M. Brodner, D.V.S., *Assoc. Vet., Insp. in charge.*
I. J. Anderson, D.V.M., *Asst. Vet.*
L. Bilikam, D.V.M., *Asst. Vet.*
P. J. Cass, M.D.V., *Asst. Vet.*
H. H. Hicks, M.D.V., *Asst. Vet.*
J. H. Hogan, D.V.M., *Jr. Vet.*
S. R. Parker, V.M.D., *Jr. Vet.*
R. S. Shannon, D.V.M., *Jr. Vet.*
A. E. Graham, Ph.B., *Assoc. Lab. Insp. in charge of Lab.*
W. C. Owens, A.B., *Asst. Chemist.*
Colorado:
Denver:
L. C. Butterfield, M.D.C., *Assoc. Vet., Insp. in charge.*
B. H. Branson, D.V.M., *Jr. Vet.*
C. M. Chase, D.V.M., *Asst. Vet.*
W. D. Fountain, D.V.M., *Asst. Vet.*
E. Albert Meyer, D.V.S., *Asst. Vet.*
S. R. Nichols, D.V.M., *Asst. Vet.*
W. Pierret, D.V.M., *Asst. Vet.*
H. L. Shorten, D.V.S., *Asst. Vet.*
Pueblo:
A. E. Evans, M.D.C., *Assoc. Vet., Insp. in charge.*
F. W. Blamey, D.V.M., *Asst. Vet.*
Connecticut:
Bridgeport:
James E. Standing, *Prin. Lay Insp., in charge.*
Hartford:
C. D. Sherman, *Prin. Lay Insp., in charge.*
New Haven:
S. A. Selby, D.V.S., *Asst. Vet., Insp. in charge.*
R. A. Moonan, D.V.M., *Asst. Vet.*
Delaware—Wilmington:
C. S. Rockwell, V.M.D., *Assoc. Vet., Insp. in charge.*
C. A. Schuler, D.V.M., *Asst. Vet.*
District of Columbia—Washington:
A. R. Smith, V.M.D., *Assoc. Vet., Insp. in charge.*
F. E. Davis, D.V.S., *Asst Vet.*
R. K. Miller, D.V.S., *Asst. Vet.*
A. F. Paul, Jr., D.V.M., *Asst Vet.*
Florida—Jacksonville:
H. E. Brown, M.D.V., *Assoc. Vet., Insp. in charge.*
F. W. Beck, V.M.D., *Asst. Vet.*
Georgia:
Atlanta:
W. H. Meadors, D.V.S., *Assoc. Vet., Insp. in charge.*
D. W. Coppinger, D.V.M., *Jr. Vet.*
S. H. Exley, D.V.M., *Jr. Vet.*
A. D. Moore, D.V.M., *Asst. Vet.*
Augusta:
Herbert Bryan, D.V.M., *Assoc. Vet., Insp. in charge.*
J. R. Farr, D.V.M., *Jr. Vet.*
C. S. Lemon, D.V.S., *Asst. Vet.*
Moultrie:
R. V. Rafnel, D.V.M., *Asst. Vet., Insp. in charge.*
S. D. Hobbs, D.V.M., *Asst. Vet.*
W. H. Hudson, D.V.M., *Asst. Vet.*
Hawaii—Honolulu:
A. S. Martin, D.V.M., *Vet., Insp. in charge.*
J. Hannon, M.D.V., *Assoc. Vet.*
Idaho:
Boise:
A. J. Creely, D.V.M., *Asst. Vet., Insp. in charge.*
W. E. Neary, D.V.M., *Asst. Vet.*
Lewiston:
C. A. Johnston, D.V.S., *Assoc. Vet., Insp. in charge.*
I. L. Nebecker, D.V.M., *Jr. Vet.*

FIELD STATIONS—Continued.

Idaho—Continued.

Moscow:

Ivan L. Barstow, D.V.M., *Asst. Vet., Insp. in charge.*

Sandpoint:

W. R. McCall, D.V.M., *Asst. Vet., Insp. in charge.*

Illinois:

Chicago:

G. E. Totten, M.D.C., *Sr. Vet., Insp. in Charge and Traveling Vet. Insp.*
E. Himsel, D.V.M., *Assoc. Vet., Asst. Insp. in charge.*
F. P. St. Clair, D.V.M., *Sr. Vet., Supervising and Traveling Insp.*
G. A. Ahrens, D.V.M., *Asst. Vet., Supvr.*
M. L. Cravens, D.V.M., *Jr. Vet., Supvr.*
H. H. Horn, D.V.M., *Asst. Vet., Supvr.*
F. O. Kieldsen, D.V.M., *Jr. Vet., Supvr.*
J. A. Sullivan, D.V.M., *Asst. Vet., Supvr.*
C. A. Ward, D.V.M., *Asst. Vet., Supvr.*
O. Aldrich, D.V.M., *Asst. Vet.*
G. L. Allen, D.V.M., *Jr. Vet.*
W. W. Barlow, D.V.M., B.S.A., *Asst. Vet.*
F. L. Bartlett, D.V.M., *Jr. Vet.*
Charles Beverly, D.V.M., *Jr. Vet.*
R. C. Bissell, D.V.M., *Jr. Vet.*
M. Borsos, D.V.M., *Asst. Vet.*
C. P. Branigan, M.D.C., *Asst. Vet.*
J. L. Campbell, D.V.M., *Asst. Vet.*
G. D. Chandler, D.V.M., *Jr. Vet.*
F. L. Chastian, D.V.M., *Jr. Vet.*
R. C. Chatman, D.V.M., B.S., *Asst. Vet.*
L. J. Cook, D.V.M., *Asst. Vet.*
R. H. Crowell, D.V.M., *Jr. Vet.*
G. R. Curtis, D.V.M., *Asst. Vet.*
W. H. Davenport, D.V.M., *Asst. Vet.*
C. H. Deisel, D.V.M., *Asst. Vet.*
John Dickson, D.C.M., *Asst. Vet.*
R. L. Durr, Sr., D.V.M., *Jr. Vet.*
A. F. Eckert, V.S., *Jr. Vet.*
H. K. Edmondson, D.V.M., *Jr. Vet.*
D. F. Eggers, M.D.V., *Asst. Vet.*
J. A. Ellens, D.V.M., *Jr. Vet.*
H. J. Fickensher, D.C.M., *Asst. Vet.*
D. J. Flanagan, M.D.V., *Asst. Vet.*
R. J. Flanagan, D.V.M., *Asst. Vet.*
W. A. German, D.V.M., B.S., *Jr. Vet.*
G. G. Gregory, D.V.M., *Asst. Vet.*
L. W. Head, M.D.C., *Asst. Vet.*
H. R. Holmes, D.V.M., *Jr. Vet.*
E. H. Ingold, D.V.M., *Jr. Vet.*
V. S. Jacobi, D.V.M., *Jr. Vet.*
E. M. Johnson, D.V.M., B.S., *Asst. Vet.*
A. G. Johnston, D.V.M., *Asst. Vet.*
G. J. Kiger, D.V.M., *Jr. Vet.*
H. L. Kilhoffer, D.V.M., *Jr. Vet.*
O. W. Kirby, D.V.M., *Jr. Vet.*
Ralph Kolo, D.V.M., *Asst. Vet.*
D. A. LaMar, D.V.M., *Jr. Vet.*
H. D. Lasher, D.V.M., *Jr. Vet.*
G. J. Lengerich, D.V.M., *Asst. Vet.*
G. M. Lint, D.V.M., *Asst. Vet.*
I. A. Lucas, D.V.M., *Asst. Vet.*
E. E. McDaniel, D.V.M., *Jr. Vet.*
H. K. McIntosh, D.V.M., *Jr. Vet.*
C. A. Mahl, D.V.M., *Jr. Vet.*
C. G. Mampreian, D.V.M., *Asst. Vet.*
F. C. Mau, D.V.M., *Asst. Vet.*
P. J. Meginnis, D.V.M., *Jr. Vet.*
J. C. Melvin, D.V.M., B.S., *Jr. Vet.*
A. C. Merrick, D.V.M., *Jr. Vet.*
J. J. Merwick, D.V.M., *Asst. Vet.*
I. T. Mock, D.V.M., *Jr. Vet.*

FIELD STATIONS—Continued.

Illinois—Continued.

Chicago—Continued.

J. A. Molengraft, D.V.M., *Asst. Vet.*
M. D. Moses, D.V.M., *Jr. Vet.*
B. J. Nutter, D.V.M., *Jr. Vet.*
C. H. Pals, D.V.M., *Jr. Vet.*
Freeman Pinney, M.D.C., *Jr. Vet.*
W. R. Pringle, D.V.M., *Asst. Vet.*
M. B. Purdy, D.V.S., *Jr. Vet.*
T. E. Quincy, D.V.M., *Asst. Vet.*
B. R. Rogers, D.V.M., *Jr. Vet.*
M. J. Romine, D.V.M., *Jr. Vet.*
V. W. Routzong, D.V.M., *Asst. Vet.*
W. G. Saunders, D.V.M., *Asst. Vet.*
F. E. Schnelle, D.V.M., B.S., *Jr. Vet.*
J. B. Schorfheide, D.V.M., *Asst. Vet.*
H. H. Shearer, D.V.M., *Jr. Vet.*
J. T. Shelton, D.V.M., *Asst. Vet.*
F. C. Sigrist, D.V.S., A.B., *Asst. Vet.*
G. M. Smith, D.V.M., *Asst. Vet.*
J. H. Smyth, D.V.M., *Jr. Vet.*
B. H. Steigleder, D.V.M., *Asst. Vet.*
H. P. Stout, D.V.M., *Jr. Vet.*
H. L. Tate, D.V.M., *Jr. Vet.*
B. W. Taylor, D.V.M., *Asst. Vet.*
M. J. Thomson, D.V.M., *Asst. Vet.*
John Van Enenaam, M.D.V., *Jr. Vet.*
Israel Wallman, D.V.M., *Asst. Vet.*
Flavus Weaver, D.V.M., *Asst. Vet.*
L. W. West, D.V.M., *Jr. Vet.*
P. F. West, D.V.M., *Asst. Vet.*
C. L. Whittington, M.D.C., *Jr. Vet.*
C. F. Wilson, D.V.M., *Asst. Vet.*
C. E. Windeler, M.D., V.M.D., *Asst. Vet.*
H. L. Winder, D.V.M., *Jr. Vet.*
C. T. N. Marsh, *Assoc. Chem., in Charge of Lab.*
F. B. Hilty, A.B., *Asst. Chem.*
W. F. Schroeder, B. S., *Asst. Chem.*
R. H. Philbeck, B.S., *Jr. Chem.*

Jacksonville:

J. Robinson, D.V.M., *Asst. Vet., Insp. in charge.*

National Stock Yards:

C. F. Payne, V.S., *Sr. Vet., Insp. in Charge and Traveling Vet. Insp.*
R. C. Lambert, D.V.M., *Asst. Vet., Supvr.*
G. H. Starr, D.V.M., *Asst. Vet., Supvr.*
C. D. Bailey, D.V.M., *Jr. Vet.*
J. S. Bixby, B.S., D.V.M., *Jr. Vet.*
S. L. Blount, B.S., D.V.M., *Asst. Vet.*
G. H. Bruns, D.V.M., *Asst. Vet.*
T. R. Cairns, D.V.M., *Asst. Vet.*
C. W. Chapin, D.V.M., *Asst. Vet.*
C. D. Emerick, D.V.M., *Asst. Vet.*
J. J. Evans, Jr., D.V.M., *Jr. Vet.*
E. A. Garleb, D.V.M., *Asst. Vet.*
C. R. Graham, D.V.M., *Asst. Vet.*
R. Greene, D.V.M., *Asst. Vet.*
C. L. Guinn, D.V.M., *Jr. Vet.*
W. M. Haag, D.V.M., *Asst. Vet.*
F. D. Halsey, V.S., *Asst. Vet.*
O. Howells, D.V.M., M.A., *Jr. Vet.*
O. E. Jung, D.V.S., *Jr. Vet.*
O. L. Kranz, D.V.M., *Jr. Vet.*
D. F. McCarthy, D.V.M., *Asst. Vet.*
L. H. Mead, D.V.M., *Asst. Vet.*
T. R. Morse, D.V.M., *Jr. Vet.*
A. J. Schoen, D.V.M., *Jr. Vet.*
W. R. Scott, D.V.M., *Asst. Vet.*
C. T. Snyder, D.V.M., *Asst. Vet.*
F. S. Thurmon, D.V.M., *Asst. Vet.*
H. J. Timmerman, D.V.S., *Asst. Vet.*
W. S. Trigg, D.V.M., *Asst. Vet.*
R. E. Watson, D.V.M., *Jr. Vet.*
J. S. Wolfram, D.V.M., *Jr. Vet.*
A. R. Zumwalt, D.V.M., *Asst. Vet.*

Peoria:

J. W. Hovorka, D.V.M., *Asst. Vet., Insp. in charge.*
S. J. Goldstein, D.V.M., *Asst. Vet.*

FIELD STATIONS—Continued.

Indiana:

Anderson:

Charles Corson, D.V.M., *Asst. Vet., Insp. in charge.*

Evansville:

O. W. Noyes, D.V.S., *Assoc. Vet., Insp. in charge.*
L. L. Criswell, D.V.M., *Asst. Vet.*
J. W. Harner, D.V.M., *Asst. Vet.*
W. G. Lashbrook, D.V.M., *Jr. Vet.*
C. Upton, D.V.M., *Asst. Vet.*

Fort Wayne:

G. M. Dorman, D.V.M., *Asst. Vet., Insp. in charge.*
W. J. Smith, D.V.M., *Jr. Vet.*

Frankfort:

G. W. Knorr, M.D.C., *Asst. Vet., Insp. in charge.*

Indianapolis:

C. L. Elliott, D.V.M., *Vet., Insp. in charge and Trav. Vet. Insp.*
F. W. Dennie, D.V.M., *Asst. Vet., Supvr.*
C. A. Clawson, D.V.M., B.S.A., *Asst. Vet.*
C. O. Joyce, D.V.M., *Asst. Vet.*
L. P. Kirch, D.V.M., *Asst. Vet.*
J. E. Lynch, D.V.M., *Asst. Vet.*
W. J. Palmer, D.V.M., *Asst. Vet.*
J. S. Reno, D.V.M., *Asst. Vet.*
H. Seevers, D.V.M., *Asst. Vet.*
H. M. Springer, D.V.M., *Asst. Vet.*
R. R. Springer, D.V.M., *Asst. Vet.*
R. Steinmetz, D.V.M., *Asst. Vet.*
R. C. Vermillion, V.S., D.V.M., *Asst. Vet.*
R. M. Ward, D.V.M., *Asst. Vet.*

La Fayette:

J. M. Jehle, M.D.C., *Asst. Vet., Insp. in charge.*

Madison:

R. R. Newman, D.V.S., *Asst. Vet., Insp. in charge.*

Mishawaka:

C. V. Shaw, D.V.M., *Assoc. Vet., Insp. in charge.*

Richmond:

H. R. Schrumpf, D.V.M., *Asst. Vet., Insp. in charge.*

Terre Haute:

M. W. McGuire, D.V.S., *Assoc. Vet., Insp. in charge.*
B. O. Sherrill, D.V.M., *Asst. Vet.*

Iowa:

Cedar Rapids:

G. A. Kay, D.C.M., *Assoc. Vet., Insp. in charge.*
G. C. Faun, V.M.D., *Asst. Vet.*
H. W. Hall, D.V.M., *Asst. Vet.*
E. F. Kallenberg, D.V.M., *Asst. Vet.*
H. S. Perdue, D.V.M., *Asst. Vet.*
B. H. Yenner, D.V.S., *Asst. Vet.*

Davenport:

A. J. Noonan, M.D.V., *Assoc. Vet., Insp. in charge.*
F. C. Davis, D.V.M., *Jr. Vet.*

Des Moines:

C. W. Deming, D.V.M., *Asst. Vet., Insp. in charge.*
J. L. Clevenger, D.V.M., *Jr. Vet.*
G. V. Grewell, D.V.M., *Jr. Vet.*
C. A. Towne, D.V.M., *Jr. Vet.*
C. E. Williams, D.V.M., *Asst. Vet.*

Dubuque:

W. E. Spierling, D.V.M., *Asst. Vet., Insp. in charge.*
H. L. Prowett, D.V.M., *Jr. Vet.*

Mason City:

L. E. Epple, V.S., *Assoc. Vet., Insp. in charge.*
W. J. Brown, D.V.M., *Asst. Vet.*
G. F. Flaherty, D.V.M., *Asst. Vet.*
G. H. Gitz, D.V.M., *Jr. Vet.*
G. A. Posse, D.V.M., *Asst. Vet.*
W. G. Reed, D.V.M., *Jr. Vet.*
S. L. Ries, D.V.M., *Asst. Vet.*
R. M. Thomas, D.V.M., *Jr. Vet.*

FIELD STATIONS—Continued.

Iowa—Continued.

Ottumwa:

E. S. Dickey, D.V.S., *Assoc. Vet., Insp. in charge.*
L. D. Belknap, D.V.M., *Jr. Vet.*
C. B. McKim, D.V.M., *Jr. Vet.*
I. Myers, D.V.M., *Asst. Vet.*
F. B. Perdue, D.V.M., *Jr. Vet.*
F. G. Riedel, D.V.M., *Jr. Vet.*
B. E. Robertson, D.V.M., *Jr. Vet.*
C. L. Ury, D.V.M., *Jr. Vet.*

Sioux City:

A. D. Bullock, D.V.M., *Sr. Vet., Insp. in charge.*
J. R. Pooley, D.V.S., *Asst. Vet., Supvr.*
A. E. Arthaud, D.V.M., *Jr. Vet.*
A. W. Bennett, D.V.M., *Asst. Vet.*
H. E. Breckerbaumer, D.V.M., *Asst. Vet.*
E. Combs, D.V.S., *Asst. Vet.*
W. A. Decker, D.V.M., *Asst. Vet.*
W. V. Ellis, D.V.M., *Asst Vet.*
E. O. Gisel, D.V.M., *Asst Vet.*
B. L. Gray, D.V.M., *Jr. Vet.*
W. F. Hodam, V.S., *Jr. Vet.*
R. F. Krenek, D.V.M., *Asst. Vet.*
F. J. Lauman, D.V.S., *Asst. Vet.*
H. J. Lawrence, D.V.S., *Asst. Vet.*
A. H. Legenhausen, D.C.M., *Asst. Vet.*
R. H. Pease, D.V.M., *Jr. Vet.*
J. A. Skordahl, D.V.M., *Jr. Vet.*
T. W. Stewart, D.V.M., A.B., *Asst. Vet.*
E. V. Stromlund, D.V.S., Asst. Vet.

Waterloo:

H. J. Hoyman, M.D.C., *Assoc. Vet., Insp. in charge.*
W. L. G. Geick, D.V.M., *Asst. Vet.*
A. L. Blake, D.V.M., *Asst. Vet.*
L. T. Langland, D.V.M., *Asst. Vet.*
C. E. Miller, D.V.M., *Jr. Vet.*
W. C. Smith, D.V.M., *Jr. Vet.*
R. A. Telford, D.V.M., B.S., *Jr. Vet.*

Kansas:

Arkansas City:

F. E. Haworth, V.M.D., *Asst. Vet., Insp. in charge.*

Kansas City:

J. S. Jenison, D.V.M., *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*
M. L. Crans, D.V.M., *Assoc. Vet., Asst. Insp. in charge.*
E. M. Berroth, D.V.M., *Asst. Vet., Supvr.*
G. H. Randall, D.V.S., *Asst Vet., Supvr.*
G. W. Winkler, D.V.M., *Asst. Vet., Supvr.*
J. R. Barnes, D.V.M., *Asst. Vet.*
A. C. Barr, D.V.S., *Asst. Vet.*
E. V. Beaumont, D.V.S., *Asst. Vet.*
C. R. Behler, M.D.C., *Asst. Vet.*
H. C. Berger, D.V.M., *Asst. Vet.*
D. H. Bibens, D.V.S., *Jr. Vet.*
A. G. Collins, D.V.S., *Asst. Vet.*
E. N. Davis, D.V.M., *Jr. Vet.*
B. L. Dawson, D.V.M., *Asst. Vet.*
E. F. Erfurth, D.V.S., *Asst. Vet.*
O. A. Erfurth, D.V.S., *Asst. Vet.*
C. C. Ettling, D.V.S., *Asst. Vet.*
R. F. Gard, D.V.S., *Asst. Vet.*
W. H. Hannemann, D.V.M., *Jr. Vet.*
T. T. Hartman, D.V.S., *Asst. Vet.*
L. J. Howell, D.V.M., *Asst. Vet.*
H. C. Ingraham, D.V.M., *Asst. Vet.*
F. H. Kirwan, D.V.M., *Asst. Vet.*
W. A. Kliphardt, D.V.S., *Asst. Vet.*
I. G. McChesney, D.V.M., *Asst. Vet.*
W. L. Martin, D.V.S., *Asst. Vet.*
G. E. Maxwell, D.V.S., *Asst. Vet.*
J. M. Mayes, D.V.S., *Asst. Vet.*
F. P. Miller, D.V.M., *Asst. Vet.*
R. S. Mourning, D.V.M., *Asst. Vet.*
A. Newberg, D.V.S., *Asst. Vet.*
G. C. Newberg, D.V.S., *Asst. Vet.*

FIELD STATIONS—Continued.
Kansas—Continued.
Kansas City—Continued.
W. E. Patterson, D.V.S., *Asst. Vet.*
H. C. Reed, D.V.M., LL.B., *Jr. Vet.*
D. J. Ryan, D.V.S., *Asst. Vet.*
C. M. Scheloski, D.V.S., *Asst. Vet.*
J. O. Schlegel, D.V.S., *Asst. Vet.*
W. A. Smith, D.V.S., *Asst. Vet.*
J. B. Snyder, M.D.V., *Jr. Vet.*
F. L. Spillman, D.V.M., *Asst. Vet.*
J. W. Taggart, D.V.S., *Asst. Vet.*
J. F. Talbert, M.D.C., *Asst. Vet.*
B. Tiernan, D.V.M., *Asst. Vet.*
D. A. Tyler, D.V.S., *Asst. Vet.*
E. V. Wedemeyer, D.V.M., *Asst. Vet.*
R. M. Williams, D.V.M., *Asst. Vet.*
C. H. Wright, D.V.S., *Asst. Vet.*
H. C. Kershner, *Assoc. Lab. Insp., in charge of Lab.*
S. Adler, M.S., *Asst. Chem.*
J. M. McCoy, B.S., M.A., *Jr. Chem.*
Leavenworth:
C. B. Henderson, D.V.S., *Asst. Vet. Insp. in charge.*
Pittsburg:
D. C. Wilke, D.V.M., *Asst. Vet., Insp. in charge.*
Topeka:
O. A. Stingley, B.Sc., D.V.S., *Assoc. Vet., Insp. in charge.*
H. H. Groat, D.V.M., *Jr. Vet.*
O. B. Huston, D.V.S., *Asst. Vet.*
C. F. Pinkham, D.V.S., *Asst. Vet.*
Wichita:
E. F. Cary, D.V.S., *Assoc. Vet., Insp. in charge.*
C. W. Barnhart, D.V.S., *Asst. Vet.*
E. S. Bacon, D.V.M., *Asst. Vet.*
F. E. Brown, D.V.M., *Jr. Vet.*
O. Emmitt, D.V.S., *Jr. Vet.*
L. R. Fauteck, D.V.S., *Asst. Vet.*
W. W. La Fayette, D.V.M., *Asst. Vet.*
J. D. Melvin, D.V.M., *Asst. Vet.*
G. W. Orndnff, D.V.S., *Asst. Vet.*
J. F. Pickett, D.V.S., *Asst. Vet.*
Kentucky:
Henderson:
R. E. Noyes, D.V.S., *Assoc. Vet., Insp. in charge.*
Louisville:
J. B. Johnson, D.V.M., *Assoc. Vet., Insp. in charge.*
G. Bard, V.M.D., *Asst. Vet.*
J. F. Chipman, D.V.M., *Asst. Vet.*
C. F. Hobbs, D.C.M., *Asst. Vet.*
F. B. Jones, D.V.S., *Asst. Vet.*
H. H. Myers, V.S., *Asst. Vet.*
J. B. Way, D.V.M., *Asst. Vet.*
Louisiana:
New Orleans:
B. F. Gooch, D.V.S., *Assoc. Vet., Insp. in charge.*
E. A. Corbin, M.D.C., *Jr. Vet.*
Shreveport:
E. Smith, *Prin. Lay Insp., in charge.*
Maine:
Auburn:
L. K. Green, V.M.D., *Asst. Vet., Insp. in charge.*
Houlton:
I. H. Kaufman, D.V.M., *Asst. Vet., Insp. in charge.*
Portland:
D. D. Callahan, *Prin. Lay Insp., in charge.*
Maryland:
Baltimore:
R. W. Culbert, M.D.V., *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*
A. A. Edelin, D.V.M., *Asst. Vet. Supvr.*
J. P. Beck, M.D.C., V.S., *Asst. Vet.*
N. N. Crawford, D.V.M., *Jr. Vet.*
H. Gutschenritter, D.V.M., *Jr. Vet.*
O. Hinton, V.S., *Jr. Vet.*
J. Huebschman, M.D.C., *Asst. Vet.*

FIELD STATIONS—Continued.
Maryland—Continued.
Baltimore—Continued.
F. D. Owen, D.V.S., *Asst. Vet.*
G. S. Phalares, D.V.M., *Jr. Vet.*
R. M. Ritnam, D.V.M., *Asst. Vet.*
W. W. Shartle, D.V.M., *Asst. Vet.*
M. H. Walmer, D.V.S., *Asst. Vet.*
E. P. Yager, D.V.S., *Asst. Vet.*
Cumberland:
W. T. Kennedy, *Prin. Lay Insp., in charge.*
Frederick:
G. S. Jackson, D.V.M., *Asst. Vet., Insp. in charge.*
Pocomoke City:
G. C. Pieper, D.V.M., *Asst. Vet., Insp. in charge.*
Salisbury:
A. T. Ayers, D.V.M., *Asst. Vet., Insp. in charge.*
Massachusetts:
Boston:
R. F. Vermilya, D.C.M., *Sr. Vet., Insp. in charge and Trav. Vet. Insp.*
E. N. Tierney, D.C.M., *Assoc. Vet., Asst. Insp. in charge.*
G. E. Bedwell, D.V.M., *Jr. Vet.*
W. B. Chapman, D.V.M., *Jr. Vet.*
J. H. Coleman, D.V.M., *Jr. Vet.*
A. C. Fitzpatrick, M.D.V., *Asst. Vet.*
S. Folse, D.V.S., *Asst. Vet.*
W. L. Grubb, V.S., B.V.Sc., *Jr. Vet.*
J. C. McLeod, D.V.M., *Asst. Vet.*
C. L. Wrinkle, D.V.M., *Jr. Vet.*
Springfield:
M. T. Perry, M.D.V., *Assoc. Vet., Insp. in charge.*
L. E. Lyons, V.S., *Asst. Vet.*
D. M. Snow, V.M.D., *Jr. Vet.*
Worcester:
W. L. Hayward, *Prin. Lay Insp., in charge.*
Michigan:
Detroit:
C. E. Mootz, D.V.M., *Vet., Insp. in charge.*
E. F. Jameson, D.V.S., *Asst. Vet., Supvr.*
W. G. Adams, D.V.M., *Asst. Vet.*
C. H. Canfield, D.V.M., *Asst. Vet.*
H. L. Cotton, D.V.M., *Asst. Vet.*
L. A. Greiner, Jr., D.V.M., *Asst. Vet.*
H. T. Grossman, D.V.M., *Asst. Vet.*
A. M. Hoehn, D.V.M., *Asst. Vet.*
D. Marks, D.V.M., *Asst. Vet.*
R. N. Owen, D.V.M., *Jr. Vet.*
G. R. Schaffer, D.V.M., *Jr. Vet.*
A. G. Stamp, D.V.M., *Asst. Vet.*
E. W. Stapp, D.V.M., *Asst. Vet.*
B. H. Steiner, D.V.M., *Jr. Vet.*
B. H. Swim, D.V.M., *Asst. Vet.*
G. W. Trubey, D.V.M., *Asst. Vet.*
J. W. Vance, D.V.M., *Asst. Vet.*
W. R. Van Ness, V.S., M.D.V., *Asst. Vet.*
J. E. Zeltzer, D.V.M., *Asst. Vet.*
Menominee:
C. M. Lombard, D.V.M., *Asst. Vet., Insp. in charge.*
Minnesota:
Albert Lea:
L. P. McArdle, D.V.M., *Assoc. Vet., Insp. in charge.*
G. M. Carson, D.V.M., *Jr. Vet.*
W. J. Conlin, D.V.M., *Jr. Vet.*
F. J. Fike, D.V.M., *Jr. Vet.*
G. M. Parrish, D.V.M., *Jr. Vet.*
Austin:
D. D. Tierney, M.D.V., *Assoc. Vet., Insp. in charge.*
D. M. Colby, D.V.M., *Jr. Vet.*
H. E. Galbreath, D.V.M., *Jr. Vet.*
E. D. Richards, D.V.M., *Jr. Vet.*
C. C. Riedel, M.D.C., *Jr. Vet.*
F. A. Scott, D.V.M., *Asst. Vet.*

FIELD STATIONS—Continued.

Minnesota—Continued.

Austin—Continued.

L. W. Stevens, D.V.M., *Jr. Vet.*
C. L. Taylor, D.V.M., *Jr. Vet.*
W. L. R. Williamson, D.V.M., *Asst. Vet.*

Duluth:

J. A. Patton, D.V.M., *Assoc. Vet., Insp. in charge.*
G. R. Tomlinson, V.S., M.D.C., *Asst. Vet.*

Fergus Falls:

G. W. Riley, D.V.M., *Asst. Vet., Insp. in charge.*

South St. Paul:

Otto Hornlein, M.D.V., *Sr. Vet., Insp. in charge.*
L. V. Hardy, D.V.M., *Asst. Vet., Supvr.*
F. W. Crawford, D.V.M., *Jr. Vet., Supvr.*
O. W. Anderson, D.V.M., *Asst. Vet.*
F. A. Baldwin, D.V.M., *Jr. Vet.*
W. W. Boggie, D.V.M., *Jr. Vet.*
B. B. Bowen, D.V.M., *Jr. Vet.*
E. J. Calph, D.V.M., *Asst. Vet.*
W. E. Dodsworth, D.V.M., *Jr. Vet.*
C. H. Easterling, D.V.M., *Jr. Vet.*
G. E. Gilbert, D.V.M., *Jr. Vet.*
C. H. Hart, M.D.C., *Jr. Vet.*
Ray Hoefling, D.V.M., *Asst. Vet.*
W. D. Hoffmaster, D.V.M., *Jr. Vet.*
N. H. Howell, D.V.M., *Jr. Vet.*
F. O. Jacobson, D.V.M., *Jr. Vet.*
W. A. Jordan, D.V.M., M.S., *Jr. Vet.*
D. S. Kay, B.S.A., M.Sc., D.V.S., *Asst. Vet.*
C. H. Mobiley, D.V.M., *Jr. Vet.*
E. N. Moline, D.V.S., *Asst. Vet.*
J. H. Moore, D.V.M., *Asst. Vet.*
A. J. Murphy, D.V.M., *Jr. Vet.*
T. J. Muxlow, D.V.M., *Jr. Vet.*
G. H. Oakes, D.V.M., *Jr. Vet.*
A. T. Ostendorf, D.V.M., *Jr. Vet.*
Robert Pickett, D.V.M., *Asst. Vet.*
J. R. Scott, D.V.M., *Jr. Vet.*
M.R.Sebright, D.V.M., *Jr. Vet.*
J. O. Shannon, D.V.S., *Jr. Vet.*
L. S. Smith, D.V.M., *Asst. Vet.*
D. B. Stewart, D.V.M., *Asst. Vet.*
Raymond Stigers, D.V.M., *Jr. Vet.*
S. A. Turpen, D.V.M., *Asst. Vet.*
J. W. Weinhofer, D.V.M., *Jr. Vet.*
C. V. Williams, D.V.M., *Jr. Vet.*
A. N. Wilson, D.V.M., *Jr. Vet.*

Winona:

J. L. Myers, D.V.M., *Insp. in charge.*
H. J. Clary, D.V.M., *Jr. Vet.*
C. F. Barnes, D.V.M., *Jr. Vet.*

Mississippi:

Natchez:

J. B. Harris, *Prin. Lay Insp., in charge.*

Vicksburg:

H. H. Culver, *Prin. Lay Insp., in charge.*

Missouri:

Joplin:

J. B. Thompson, D.V.M., *Asst. Vet., Insp. in charge.*

St. Louis:

C. H. Swanger, B.S., *Assoc. Chem., in charge of Lab.*
W. B. Fromer, B.S., *Asst. Chem.*
G. L. McGinty, *Asst. Chem.*

South St. Joseph:

B. J. Stockler, D.V.M., *Vet., Insp. in charge.*
C. C. Walch, D.V.S., *Asst. Vet. Supvr.*
W. A. Barr, V.S., *Asst. Vet.*
C. W. Betzold, D.V.M., *Jr. Vet.*
E. J. Cary, D.V.S., *Asst. Vet.*
W. Craig, D.V.M., *Asst. Vet.*
W. P. Divelbiss, D.V.M., *Asst. Vet.*
H. M. Graefe, D.V.S., *Asst. Vet.*

FIELD STATIONS—Continued.

Missouri—Continued.

South St. Joseph—Continued.

J. E. Griffin, D.V.M., *Asst. Vet.*
C. H. Grunwald, D.V.M., *Asst. Vet.*
C. J. Hayward, D.V.M., *Asst. Vet.*
W. G. McGuire, D.V.M., *Asst. Vet.*
G. H. Murphy, D.V.M., *Asst. Vet.*
G. J. Mutziger, D.V.S., *Asst. Vet.*
M. D. Nelson, D.V.M., *Asst. Vet.*
W. J. J. Pooley, D.V.M., *Asst. Vet.*
J. B. Sigrist, D.V.M., *Asst. Vet.*
L. P. Sullivan, D.V.M., *Asst. Vet.*

West Plains:

J. F. Park, D.V.M., *Asst. Vet., Insp. in charge.*

Montana—Butte:

W. R. Kidwell, D.V.M., *Asst. Vet., Insp. in charge.*
F. E. Clark, D.V.M., *Asst. Vet.*

Nebraska—Omaha:

W. C. Herrold, V.S., *Sr. Vet., Insp. in charge.*
E. W. Burke, D.V.M., *Asst. Vet., Supvr.*
G. A. Franz, D.V.M., *Asst. Vet., Supvr.*
P. S. McLaughlin, D.P.M., *Asst. Vet. Supvr.*
A. P. Abendshien, D.V.M., *Jr. Vet.*
J. A. Carlsen, D.V.M.,*Asst. Vet.*
E. M. Clark, D.V.M., *Asst. Vet.*
W. A. Cornell, D.V.M., *Jr. Vet.*
G. Edgecomb, D.V.M., *Asst. Vet.*
A. English, D.V.M., *Asst. Vet.*
G. P. Everly, D.V.S., *Asst. Vet.*
W. C. Finn, D.V.M., *Jr. Vet.*
L. V. Haggerty, D.V.M., *Asst. Vet.*
W. C. Hamilton, D.V.M., *Asst. Vet.*
G. C. Harrington, D.V.M., *Asst. Vet.*
H. H. Hervey, D.V.M., *Asst. Vet.*
M. Heusinkveld, D.V.M., *Jr. Vet.*
F. W. Hock, D.V.M., *Asst. Vet.*
J. W. Huston, D.V.M., *Asst. Vet.*
G. J. Jarvis, D.V.M., *Asst. Vet.*
F. Jelen, D.V.S., *Asst. Vet.*
C. A. Jerome, D.V.S., *Asst. Vet.*
J. Kalmansohn, D.V.M., *Asst. Vet.*
H. T. D. Lackie, D.V.M., *Asst. Vet.*
M. H. Leininger, D.V.S., *Asst. Vet.*
C. T. Loy, D.V.M., *Jr. Vet.*
C. M. McCoy, D.V.M., *Asst. Vet.*
A. M. Meade, D.V.S., *Asst. Vet.*
W. J. Mulroony, M.D.V., *Jr. Vet.*
D. C. Murdock, M.D.C., *Asst. Vet.*
W. F. Osterholtz, D.V.M., *Asst. Vet.*
H. E. Smith, D.V.M., *Asst. Vet.*
D. F. Stouffer, D.V.S., *Asst. Vet.*
D. R. Trueblood, D.V.M., *Jr. Vet.*
H. E. Wilson, D.V.M., *Jr. Vet.*
E. A. Boyer, *Assoc. Chem. in charge of Lab.*

Nevada—Reno:

W. K. Shidler, D.V.S., *Asst. Vet., Insp. in charge.*

New Hampshire:

Claremont:

G. A. Patterson, *Prin. Lay Insp., in charge.*

Keene:

J. Stafford, D.V.S., *Asst. Vet., Insp. in charge.*

Manchester:

A. A. Kritt, D.V.M., *Asst. Vet., in charge.*

New Jersey:

Jersey City:

E. H. Baumann, D.V.M., *Assoc. Vet., Insp. in charge.*
L. E. Barnes, D.V.M., *Jr. Vet.*
H. E. Benge, D.V.M., *Jr. Vet.*
P. F. Carr, D.V.M., *Jr. Vet.*
W. L. Flanagan, D.V.M., *Jr. Vet.*
J. Jacobs, D.V.S., *Asst. Vet.*
C. J. Lange, D.V.M., *Jr. Vet.*
M. J. Myers, V.S., *Asst. Vet.*
E. S. Ring, D.V.S., *Asst. Vet.*
F. C. Willson, D.V.M., *Asst. Vet.*

FIELD STATIONS—Continued.

New Jersey—Continued.

Newark:

C. L. Hall, D.V.S., *Assoc. Vet., Insp. in charge.*
F. A. Anderson, D.V.M., *Jr. Vet.*
W. F. Ball, D.V.M., *Jr. Vet.*
F. J. Glynn, D.V.S., *Asst. Vet.*
C. W. Humphrey, D.V.M., *Asst. Vet.*
A. A. Lemery, D.V.S., *Asst. Vet.*
F. J. Maurer, D.V.M., *Asst. Vet.*
C. J. Morgan, D.V.M., *Jr. Vet.*
W. F. Osborn, D.V.S., *Asst. Vet.*
F. A. Pickett, D.V.M., *Jr. Vet.*

New York:

Albany:

E. P. Barnhart, D.V.M., *Assoc. Vet., Insp. in charge.*
C. R. Quillin, D.V.S., *Jr. Vet.*
C. C. Taylor, D.V.M., *Jr. Vet.*
L. B. Whitney, D.V.S., *Asst. Vet.*

Buffalo:

C. J. Millen, D.V.M., *Sr. Vet., Insp. in charge.*
A. J. Burley, D.V.M., *Asst. Vet.*
R. J. Dunlavey, D.V.M., *Asst. Vet.*
R. B. Ferro, D.V.M., *Jr. Vet.*
F. L. Foster, D.V.M., *Asst. Vet.*
M. J. Hastings, D.V.M., *Asst. Vet.*
B. A. Hyatt, D.V.M., *Asst. Vet.*
A. McConnell, D.V.M., *Jr. Vet.*
J. H. O'Leary, D.V.M., *Asst. Vet.*
C. R. Perkins, D.V.M., *Asst. Vet.*
B. S. Shattuck, D.V.M., *Asst. Vet.*
C. A. Trapkey, D.V.M., *Jr. Vet.*
A. J. Wand, D.V.M., *Jr. Vet.*
A. G. Ward, D.V.M., *Jr. Vet.*
H. R. Yost, D.V.M., *Asst. Vet.*

Kingston:

M. W. Cohen, D.V.M., *Assoc. Vet., Insp. in charge.*
H. B. Smith, D.V.M., *Jr. Vet.*

New York:

A. F. Staub, D.V.M, *Sr. Vet., Insp. in charge and Traveling Vet. Insp.*
G. Schwamm, D.V.M., *Asst. Vet., Supvr.*
J. J. Hayes, D.V.M., *Assoc. Vet., Supvr.*
M. M. Woods, D.V.M., *Asst. Vet., Supvr.*
L. Abrevaya, D.V.M., Ph.G., *Jr. Vet.*
H. B. Ballou, D.V.M., *Asst. Vet.*
C. R. Biederman, D.V.S., *Asst. Vet.*
H. J. Boyer, D.V.M., *Asst. Vet.*
M. R. Clarkson, D.V.M., B.S., *Jr. Vet.*
J. A. Eadie, D.V.S., *Asst. Vet.*
W. R. Fleming, D.V.S., *Asst. Vet.*
H L. Gibson, D.V.M., *Jr. Vet.*
C. Greenhaus, D.V.M., *Asst. Vet.*
C. Hassel, D.V.S., *Asst. Vet.*
C. A. Hazzard, D.V.M., *Asst. Vet.*
F. L. D. Herchenroeder, D.V.M., *Asst. Vet.*
J. D. Jarmon, D.V.M., *Jr. Vet.*
E. D. Johnson, D.V.M., *Jr. Vet.*
S. H. Johnston, D.V.S., *Asst. Vet.*
I. J. Kahn, D.V.M., Ph.G., *Jr. Vet.*
C. F. Lipp, D.V.M., *Jr. Vet.*
B. C. Meade, D.V.M., *Asst. Vet.*
A. R. Miller, D.V.M., *Asst. Vet.*
W. A. Montgomery, D.V.M., *Asst Vet.*
M. J. Murphy, D.V.S., *Asst. Vet.*
H. S. Nevius, D.V.M., *Jr. Vet.*
J. L. Oyarzabal, D.V.M., *Jr. Vet.*
M. Paolone, D.V.S., *Asst. Vet.*
R. E. Pflugrad, D.V.M., B.S., *Jr. Vet.*
L. M. Putney, D.V.M., *Jr. Vet.*
J. J. Riordan, D.V.M., *Jr. Vet.*
W. R. Rosekrans, D.V.S., *Asst. Vet.*
M. A. Ruck, D.V.M., *Asst. Vet.*
H. R. Seibold, V.M.D., *Jr. Vet.*
N. J. Taylor, D.V.M., *Jr. Vet.*
A. A. Turner, D.V.M., *Jr. Vet.*
H. P Waddle, D.V.S., *Asst. Vet.*

FIELD STATIONS—Continued.

New York—Continued.

New York—Continued.

D. Edelman, B.S., *Asst. Chem.*
C. C. Gouldman, B.S., *Jr. Chem.*

Pearl River:

F. A. Grenfeli, D.V.M., *Assoc. Vet., Insp. in charge.*

Poughkeepsie:

J. L. Orr, D.V.M., *Asst. Vet.*

North Carolina:

Charlotte:

Jacob Vogel, *Prin. Lay Insp., in charge.*

Wilmington:

A. H. Carpenter, *Prin. Lay Insp., in charge.*

North Dakota:

Grand Forks:

M. E. Schwab, D.V.M., Ph.B., *Assoc. Vet., Insp. in charge.*

West Fargo:

J. A. Thompson, B.S., D.V.S., *Assoc. Vet., Insp. in charge.*
L. M. Henry, D.V.M., *Jr. Vet*
H. D. Osborne, D.V.M., *Asst. Vet.*
H. L. Rae, D.V.M., *Asst. Vet.*

Ohio:

Athens:

P. J. Huffman, Jr., D.V.S., *Asst. Vet., Insp. in charge.*

Cincinnati:

W. W. Lawson, M.D.C., *Vet. Insp., in charge of Traveling Vet. Insp.*
G. E. Mitchell, D.V.M., *Asst. Vet. Supvr.*
H. W. Butz, D.V.M., *Asst. Vet.*
S. C. Cook, D.V.M., *Asst. Vet.*
F. B. Drake, D.V.M., *Asst. Vet.*
A. B. Elstun, D.V.M., *Asst. Vet.*
C. A. Engleman, D.V.M., *Asst. Vet.*
F. G. Hahn, D.V.M., *Asst. Vet.*
A. J. Hauck, D.V.M., *Asst. Vet.*
J. W. Hermann, D.V.M., *Asst. Vet.*
A. A. Hiett, D.V.M., *Asst. Vet.*
F. G. Kneup, D.V.M., *Asst. Vet.*
F. A. Kruse, D.V.M., *Asst. Vet.*
A. E. Montgomery, D.V.M., *Asst. Vet.*
W. F. Moore, D.V.M., *Jr. Vet.*
W. Poseiner, D.V.M., *Jr. Vet.*
W. W. Renter, D.V.M., *Asst. Vet.*
J. A. Rudolph, D.V.M., *Jr. Vet.*
H. L. Shale, D.V.M., *Asst. Vet.*
C. L. Stricker, D.V.M., *Asst. Vet*
C. F. Stroehlein, D.V.M., *Asst. Vet.*

Cleveland:

C. P. Hart, V.S., *Vet., Insp. in charge.*
M. R. Jollie, D.V.M., *Asst. Vet., Supvr.*
V. F. Croft, D.V.S., *Jr. Vet.*
H. A. Fox, D.V.M., B.S., *Asst. Vet.*
F. E. Hill, D.V.M., *Asst. Vet.*
L. Kochman, D.V.M., *Asst. Vet.*
G. C. Mawer, D.V.M., *Asst. Vet.*
H. H. Myers, V.S., *Asst. Vet.*
F. R. Pettys, D.V.M., *Jr. Vet.*
R P. Salisbury, D.V.M., *Asst. Vet.*
A. J. Schmidt, D.V.M., *Jr. Vet.*
A. C. Stein, D.V.M., *Asst. Vet.*
E. E. Steiner, D.V.M., *Asst. Vet.*

Columbus:

S. G. Fortune, D.V.M., *Assoc. Vet., Insp. in charge.*
T. V. Coe, D.V.M., *Asst. Vet.*
L. E. Davis, V.S., *Asst. Vet.*
G D. Jelen, D.V.M., *Jr. Vet.*
T. E. Nichols, D.V.M., *Asst. Vet.*
T. M. Powell, D.V.M., *Asst. Vet.*

Dayton:

C. H. Herrold, M.D.V., V.S., *Assoc. Vet., Insp. in charge.*
W. H. Borchers, D.V.M., *Asst. Vet.*
S. C. Brouse, D.V.M., *Asst. Vet.*
F. E. Theobald, D.V.M., *Asst. Vet.*
N. C. Wheeler, M.D.C., B.A., *Jr. Vet.*

FIELD STATIONS—Continued.

Ohio—Continued.

Fostoria:

A. W. Combs, D.V.M., *Asst. Vet., Insp. in charge.*

Piqua:

A. N. Smith, V.M.D., *Asst. Vet., Insp. in charge.*

J. R. Addison, D.V.M., *Jr. Vet.*

G. C. Juday, D.V.M., *Jr. Vet.*

Sidney:

F. L. Tritle, D.V.S., *Asst. Vet. Insp. in charge.*

Youngstown:

H. L. Bollinger, *Prin. Lay Insp., in charge.*

Zanesville:

W. O. McHugh, V.S., *Asst. Vet., Insp. in charge.*

Oklahoma:

Miami:

R. E. Surring, D.V.M., *Asst. Vet.*

Oklahoma City:

J. H. Kitzhofer, D.V.S., *Assoc. Vet. Insp. in charge.*

S. A. Burnam, D.V.M., *Jr. Vet.*

H. H. Glenn, M.D.C., *Asst. Vet.*

T. A. Jones, D.V.S., *Asst. Vet.*

O. H. Leonhart, D.V.S., M.D.C., *Asst. Vet.*

S. M. Meredith, D.V.S., *Asst. Vet.*

R. R. Parker, D.V.M., *Asst. Vet.*

J. W. Stults, D.V.M., *Asst. Vet.*

W. T. Bilott, D.V.M., *Asst. Vet.*

Oregon:

Portland:

P. P. Taylor, D.V.M., *Assoc. Vet., Insp. in charge.*

A. M. Blackwell, V.S., *Asst. Vet.*

R. F. Chase, D.V.M., *Asst. Vet.*

A. J. Dinse, D.V.S., *Asst. Vet.*

G. D. Loder, D.V.M., *Asst. Vet.*

R. A. Parsons, D.V.M., *Asst. Vet.*

C. M. Riley, M.D.V., *Asst. Vet.*

Pennsylvania:

Allentown:

J. R. Donnelly, M.D.V., *Assoc. Vet., Insp. in charge.*

C. Hedley, D.V.M., *Asst. Vet.*

J. H. Lowe, M.D.V., *Asst. Vet.*

Erie:

E. R. Jackson, D.V.M., *Assoc. Vet., Insp. in charge.*

A. C. Edwards, D.V.M., *Asst. Vet.*

Hallstead:

O. Nelson, V.M.D., *Asst. Vet., Insp. in charge.*

Harrisburg:

W. C. Siegmund, D.V.S., *Assoc. Vet. Insp. in charge.*

P. E. Nulk, D.V.M., *Asst. Vet.*

C. C. Steibing, V.M.D., *Jr. Vet.*

Philadelphia:

Thomas Castor, V.M.D., *Assoc. Vet., Insp. in charge.*

D. A. Heyne, V.M.C., *Asst. Vet., Supvr.*

L. M. Marshall, D.V.M., *Asst. Vet., Supvr.*

J. M. Baxter, D.V.M., *Asst. Vet.*

F. E. Boyd, V.M.D., *Asst. Vet.*

M. R. Boyer, D.V.M., *Jr. Vet.*

W. S. Clark, D.V.S., *Asst. Vet.*

G. E. Cohan, A.B., V.M.D., *Jr. Vet.*

G. M. Garrett, V.M.D., *Asst. Vet.*

S. F. Griesemer, D.V.M., *Asst. Vet.*

H. D. Hackler, V.S., *Asst. Vet.*

G. D. Homan, V.M.D., *Asst. Vet.*

F. S. Hope, V.M.D., *Asst Vet.*

M. J. Maloney, D.V.M., *Asst. Vet.*

S. K. Nelson, D.V.M., *Asst. Vet.*

O. L. Osteen, D.V.M., *Jr. Vet.*

F. E. Pinkerton, D.V.M., *Asst. Vet.*

G. T. Van Buskirk, V M.D., *Asst. Vet.*

J. H. Zollinger, V M.D., *Asst. Vet.*

FIELD STATIONS—Continued.

Pennsylvania—Continued.

Pittsburgh:

O. W. Seher, D.V.M., *Assoc. Vet., Insp. in charge.*

J. M. Bowers, D.V.M., *Jr. Vet.*

I. W. Eichelberger, D.V.M., *Asst. Vet.*

L. I. Helfand, B. S., V.M.D., Ph. G., *Jr. Vet.*

W. S. Hileman, V.M.D., *Asst. Vet.*

H. T. Ludwig, D.V.M., *Asst. Vet.*

Pittston:

J. J. Martin, D.V.M., *Asst. Vet., Insp. in charge.*

C. E. Brown, D.V.M., *Jr. Vet.*

H. E. Skoog, B.S., D.V.M., *Jr. Vet.*

Pottsville:

G. E. Repp, M.D.C., *Asst. Vet., Insp. in charge.*

R. O. Rothermel, D.V.M., *Asst. Vet.*

Reading:

H. A. Schneider, M.D.V., *Asst. Vet.*

Rhode Island—Providence:

F. S. Bingham, D.V.S., *Assoc. Vet., Insp. in charge.*

J. L. Arnandez, D.V.M., *Jr. Vet.*

K. G. Cherrington, M.D.V., *Asst. Vet.*

W. J. Comstock, D.V.M., *Jr. Vet.*

E. R. Fisher, D.V.M., *Jr. Vet.*

South Dakota:

Huron:

J. A. Zimmerman, D.V.S., *Assoc. Vet., Insp. in charge.*

H. J. Magens, V.S., D.M.C., *Jr. Vet.*

O. U Poth, D.V.M., *Jr. Vet.*

O. R. Whitney, D.V.M., *Jr. Vet.*

Sioux Falls:

G. W. Famous, V.M.D., *Assoc. Vet., Insp. in charge.*

C. B. Bratager, D.V.M., *Jr. Vet.*

A. G. Ferrin, D.V.M., *Asst. Vet.*

A. W. Groth, D.V.M., *Jr. Vet.*

N. Hanson, D.V.M., *Asst. Vet.*

W. J. Scanlon, D.V.M., *Asst. Vet.*

A. E. Slocum, D.V.M., *Asst. Vet.*

C. L. White, D.V.S., *Asst. Vet.*

Watertown:

W. R. Richards, M.D.C., *Asst. Vet., Insp. in charge.*

B. W. Beckett, D.V.M., *Jr. Vet.*

E. A. Williams, D.V.M., *Asst. Vet.*

Tennessee:

Chattanooga:

G. R. Hartman, D.V.S., *Assoc. Vet., Insp. in charge.*

Walter George, V.S., *Asst. Vet.*

Knoxville:

S. A. King, D.V.M., *Assoc. Vet., Insp. in charge.*

J. A. Sluss, D.V.M., *Jr. Vet.*

O. M. Vorthman, D.V.M., *Jr. Vet.*

Memphis:

F. T. Suit, D.V.M., *Assoc. Vet., Insp. in charge.*

P. C. Denney, D.V.M., *Jr. Vet.*

L. W. Thiele, D.V.M., *Jr. Vet.*

C. W. Turrell, D.V.M., *Asst. Vet.*

Nashville:

R. H Hunt, D.V.M., *Assoc. Vet., Insp. in charge.*

J. E. Bender, D.V.M., *Asst. Vet.*

D. O. Browning, D.V.M., *Asst. Vet.*

H. H. Hobbs, M.D.C., *Jr. Vet.*

W. B. Smith, D.V.M., *Asst. Vet.*

Union City:

J. H. Byerley, D.V.M., *Asst. Vet., Insp. in charge.*

Texas:

El Paso:

S. V. Ewers, D.V.S., *Asst. Vet., Insp. in charge.*

H. T. Juen, D.V.M., *Asst. Vet.*

J. C. Reid, D.V.S., *Asst. Vet.*

Fort Worth:

C. J. Young, D.V.S., *Assoc. Vet., Insp. in charge.*

FIELD STATIONS—Continued.

Texas—Continued.

Fort Worth—Continued.

W. C. Alvey, D.V.M., *Asst. Vet.*
C. P. Callaway, D.V.M., *Asst. Vet.*
E. W. Kern, D.V.M., *Asst. Vet.*
G. R. Louden, D.V.M., *Asst. Vet.*
W. K. McConnell, D.V.S., *Asst. Vet.*
P. F. R. Meyer, D.V.M. *Asst. Vet.*
E. W. Nye, D.V.S., *Asst. Vet.*
J. J. Parker, D.V.S., *Asst. Vet.*
E. E. Peacock, D.V.M., *Asst. Vet.*
J. Ramsey, D.V.M., *Asst. Vet.*
G. J. Roosink, D.V.M., *Jr. Vet.*
J. A. Wilkinson, D.V.M., *Asst. Vet.*

Houston:

C. H. Horcher, D.V.M., *Assoc. Vet., Insp. in charge.*
D. C. Becker, D.V.M., *Jr. Vet.*
S. O. Benson, D.V.M., *Jr. Vet.*
E. G. Pigman, D.V.M., *Asst. Vet.*

Texarkana:

H. G. Potter, *Prin. Lay., Insp. in charge.*

Utah:

Ogden:

F. G. Miller, D.V.M., *Asst. Vet., Insp. in charge.*
J. M. Allen, D.V.M., *Jr. Vet.*

Salt Lake City:

E. P. Durham, D.V.M., *Asst. Vet., Insp. in charge.*
C. W. Picht, D.V.M., *Jr. Vet.*

Vermont:

Bellows Falls:

A. Packer, D.V.M., *Asst. Vet., Insp. in charge.*

Burlington:

E. E. Manter, D.V.M., *Asst. Vet., Insp. in charge.*

Lyndonville:

C. G. Haber, D.V.M., *Asst. Vet., Insp. in charge.*

Virginia:

Norfolk:

J. M. Harris, *Prin. Lay Insp., in charge.*

Richmond:

Henry Marshall, V.M.D., *Assoc. Vet., Insp. in charge and Traveling Vet. Insp.*
J. K. Chapin, D.V.M., *Asst. Vet.*
T. A. Harrison, D.V.S., *Asst. Vet.*
A. W. Kay, D.V.S., *Asst. Vet.*
C. E. Thompson, D.V.M., *Asst. Vet.*
W. I. Wilkins, D.V.M., *Asst. Vet.*

Washington:

Seattle:

C. L. Norris, D.V.S., *Assoc. Vet., Insp. in charge.*
G. E. Sloulin, V.S., *Jr. Vet.*
J. A. Whealy, D.V.M., *Asst. Vet.*

Spokane:

J. R. Aufente, D.V.S., *Assoc. Vet., Insp. in charge.*
N. L. Cissell, D.V.M., *Jr. Vet.*
C. A. Hulbush, M.D.V., *Asst. Vet.*
G. A. Kuhn, B.S., D.V.M., *Jr. Vet.*
J. H. Stephens, D.V.M., *Asst. Vet.*

Tacoma:

A. N. McGregor, D.V.M., *Assoc. Vet., Insp. in charge.*
L. C. Bowling, D.V.M., A.B., *Jr. Vet.*
R. A. McDonald, D.V.S., D.V.M., *Asst. Vet.*

Walla Walla:

R. S. Griffin, D.V.M., *Asst. Vet., Insp. in charge.*

Yakima:

A. H. Julien, V.S., *Asst. Vet., Insp. in charge.*

West Virginia—Wheeling:

L. A. Licking, M.D.C., *Assoc. Vet., Insp. in charge.*
L. E. Bay, D.V.M., *Jr. Vet.*
W. K. Breckenridge, D.V.M., *Asst. Vet.*
F. E. Wilson, D. V. M., *Jr. Vet.*

FIELD STATIONS—Continued.

Wisconsin:

Eau Claire:

V. W. Woolen, D.V.M., *Asst. Vet., Insp. in charge.*

Madison:

L. A. Wilson, D.V.M., *Assoc. Vet., Insp. in charge.*
H. F. Arndt, D.V.M., *Asst. Vet.*
O. A. Christianson, M.D.V., *Asst. Vet.*
H. A. Gamrath, D.V.M., *Jr. Vet.*

Milwaukee:

B. C. Johnson, D.V.M., *Assoc. Vet., Insp. in charge.*
R. J. Digman, M.D.C., *Asst. Vet., Supvr.*
E. P. Coburn, D.V.M., *Jr. Vet.*
R. E. Cochrane, M.D.V., *Asst. Vet.*
H. B. Fishback, D.V.M., *Asst. Vet.*
C. L. Gegax, D.V.M., *Asst. Vet.*
P. R. Granholm, D.V.M., *Jr. Vet.*
T. A. Head, D.V.M., *Asst. Vet.*
C. Houston, D.V.M., *Asst. Vet.*
J. B. Huhn, D.V.M., *Jr. Vet.*
G. C. Janke, D.V.M., *Asst. Vet.*
G. Jerome, D.V.M., *Asst. Vet.*
F. O. Kickbusch, M.D.V., *Asst. Vet.*
H. C. Kornetzky, D.V.M., *Asst. Vet.*
F. D. Meier, D.V.M., *Asst. Vet.*
G. M. Otis, M.D.C., *Asst. Vet.*
S. A. Richardson, D.V.M., *Jr. Vet.*
B. D. Robbins, D.V.M., *Jr. Vet.*
W. C. Smith, D.V.M., *Asst. Vet.*
S. C. Varnum, D.V.M., *Jr. Vet.*
F. J. Verduin, D.V.M., *Asst. Vet.*

PACKERS AND STOCKYARDS DIVISION

Directed by Asst. Chief of Bur.
F. W. Miller, D.V.S., *Sr. Econ., Asst. Chief.*

Trade Practices:

F. W. Miller, D.V.S., *Sr. Econ., in charge.*
C. A. Briggs, M.A., *Sr. Weighing Engr.*

Rates and Registration:

G. N. Dagger, M.A., LL.M., *Sr. Econ., in charge.*
H. D. Dozier, Ph.D., *Sr. Econ.*
M. O. Cooper, M.A., LL.B., *Sr. Econ.*
Henry C. Gibbs, LL.M., *Sr. Admin. Asst.*
S. J. Harvey, *Sr. Stat.*

Interstate Transportation:

Rudolph Snyder, M.D.C., *Sr. Vet., in charge.*
A. J. Raub, *Asst. in Livestock Transp. Inv.*

Audits and Accounts:

John J. Bachmann, B.S.C., C.P.A., *Chief Acct., in charge.*
W. J. Nevius, *Exam. of Acct*
M. P. Jacoby, *Acct.*
H. R. Burnette, *Asst. Acct.*
C. V. Evans, *Asst. Acct.*

FIELD HEADQUARTERS:

Colorado—Denver:

B. J. Westinghouse, *Sr. Acct.*

Illinois:

Chicago:

H. G. Burns, *Sr. Acct.*
R. L. Cottingham, *Asst. Acct.*

National Stock Yards:

G. J. Svoboda, *Sr. Acct.*
G. M. Thomas, *Asst. Acct.*

Minnesota—St. Paul:

E. J. Kohler, *Sr. Acct.*

Missouri—Kansas City:

E. J. Bolas, *Assoc. Acct.*
H. E. Bufkin, *Sr. Acct.*
E. R. Hart, *Assoc. Acct.*

Nebraska—Omaha:

H. M. Baughman, *Assoc. Acct.*

Texas—Fort Worth:

M. W. Taylor, *Asst. Acct.*

Valuation (Field):
Missouri—Kansas City:
H. C. Henrici, B.S., *Chief Valuation Engr.*
A. T. Cushing, M.S., *Valuation Engr.*
W. O. Galbreath, B.S., *Stockyard Appraiser.*
J. E. Johnson, B.S. in C. E., *Assoc. Stockyard Appraiser.*
A. F. Schramm, A.B., *Assoc. Stockyard Appraiser.*
H. E. McClintock, C.E., *Assoc. Stockyard Appraiser.*

Weighing (Field):
Missouri—Kansas City:
F. B. Fell, *Assoc. Weight Supvr.*
Ohio—Cincinnati:
W. L. Frank, B.S. in Agr., *Asst. Weight Supvr.*

Stockyard Supervision (Field):
Alabama—Montgomery:
S. M. Price, *Dist. Supvr.*
California—Los Angeles:
C. D. Ashmore, D.V.S., *Dist. Supvr.*
Colorado—Denver:
J. Christensen, *Field Asst. to Chief.*
L. W. Krake, *Dist. Supvr.*
Illinois:
Chicago:
V. E. Foster, *Dist. Supvr.*
M. Guillaume, M.D.V., LL.B., *Assoc. Supvr.*
T. J. Keogh, *Asst. Supvr.*
National Stock Yards:
C. S. Jones, B.S., *Dist. Supvr.*
Indiana—Indianapolis:
A. W. Joy, B.S., *Dist. Supvr.*
Iowa—Sioux City:
R. L. Lisle, *Dist. Supvr.*
Kansas—Wichita:
O. E. Dyson, D.V.S., *Dist. Supvr.*
Minnesota—South St. Paul:
W. A. Williams, Ph.B., *Dist. Supvr.*
Missouri:
Kansas City:
G. E. Butin, D.V.S., *Dist. Supvr.*
South St. Joseph:
J. R. Plumb, A.B., *Dist. Supvr.*
Nebraska—Omaha:
C. F. Walker, *Dist. Supvr.*
New York:
Buffalo:
J. F. Gibbons, *Dist Supvr.*
New York:
F. J. Miller, *Dist. Supvr.*
Ohio—Cincinnati:
M. L. Haskell, LL.B., *Dist. Supvr.*
Oregon—North Portland:
P. McCormick, Jr., B.S., *Dist. Supvr.*
Pennsylvania—Pittsburgh:
L. C. Jennings, *Dist. Supvr.*
Tennessee—Nashville:
T. J. Perrin, *Dist. Supvr.*
Texas—Fort Worth:
J. H. Ruff, *Dist. Supvr.*

Public Stockyards Inspection (Field):
Alabama:
Birmingham:
O. E. Barth, M.D.C., *Assoc. Vet.*
Montgomery:
R. E. Jackson, V.S., *Assoc. Vet., Insp. in charge.*
J. M. Lawson, D.V.S., *Asst. Vet., Supvr.*
California:
Los Angeles:
E. D. Kennedy, D.V.S., *Assoc. Vet., Insp. in charge.*
G. E. Golden, M.D.V., *Asst. Vet.*
South San Francisco:
M. Brodner, D.V.S., *Vet., Insp. in charge.*
Colorado—Denver:
J. O. Wilson, D.V.M., *Assoc. Vet., Insp. in charge.*

Public Stockyards Inspection (Field)—Con.
Colorado—Denver—Continued.
W. C. Dye, D.V.S., *Asst. Vet., Supvr.*
C. E. Ranney, D.V.S., *Asst. Vet.*
J. E. Shelton, D.V.S., *Asst. Vet.*
Florida—Jacksonville:
T. W. Cole, D.V.M., *Vet., Insp. in charge.*
J. W. Casey, D.V.M., *Asst. Vet.*
Georgia—Atlanta:
W. C. Dendinger, D.V.M., *Assoc. Vet., Insp. in charge.*
Illinois:
Chicago:
G. E. Totten, M.D.C., *Sr. Vet., Insp. in charge.*
John Dickson, D.C.M., *Asst. Vet., Supvr.*
C. P. Branigan, M.D.C., *Asst. Vet.*
F. C. Mau, D.V.M., *Asst. Vet.*
B. H. Steigleder, D.V.M., *Asst. Vet.*
Israel Wallman, D.V.M., *Asst. Vet.*
National Stock Yards:
C. F. Payne, V.S., *Sr. Vet., Insp. in charge.*
A. R. Zumwalt, D.V.M., *Asst. Vet., Supvr.*
T. R. Cairns, D.V.M., *Asst. Vet.*
C. R. Graham, D.V.M., *Asst. Vet.*
Indiana:
Evansville:
O. W. Noyes, D.V.S., *Assoc. Vet., Insp. in charge.*
J. W. Harner, B.S., D.V.M., *Asst. Vet.*
Indianapolis:
C. L. Elliott, D.V.M., *Vet., Insp. in charge.*
R. C. Vermillion, V.S., D.V.M., *Asst. Vet., Supvr.*
J. S. Reno, D.V.M., *Asst. Vet.*
Iowa—Sioux City:
A. D. Bullock, D.V.M., *Sr. Vet., Insp. in charge.*
Perry Zenor, B.S., M.D.C., *Asst. Vet., Supvr.*
E. O. Gisel, D.V.M., *Asst. Vet.*
Kansas:
Kansas City:
J. S. Jenison, D.V.M., *Sr. Vet., Insp. in charge.*
C. R. Behler, M.D.C., *Asst. Vet., Supvr.*
E. V. Beaumont, D.V.S., *Asst. Vet.*
C. C. Ettling, D.V.S., *Asst. Vet.*
G. E. Maxwell, D.V.S., *Asst. Vet.*
W. E. Patterson, D.V.S., *Asst. Vet.*
W. A. Smith, D.V.S., *Asst. Vet.*
Wichita:
E. F. Cary, D.V.S., *Assoc. Vet., Insp. in charge.*
C. W. Barnhart, D.V.S., *Asst. Vet., Supvr.*
Kentucky—Louisville:
J. B. Johnson, D.V.M., *Assoc. Vet., Insp. in charge.*
Guy Bard, V.M.D., *Asst. Vet., Supvr.*
H. H. Myers, V.S., *Asst. Vet.*
Louisiana—New Orleans:
B. F. Gooch, D.V.S., *Assoc. Vet., Insp. in charge.*
E. A. Corbin, M.D.C., *Jr. Vet.*
Maryland—Baltimore:
R. W. Culbert, M.D.V., *Sr. Vet. Insp. in charge.*
A. B. Angell, V.S., M.D.V., *Asst. Vet.*
Michigan—Detroit:
C. E. Mootz, D.V.M., *Vet., Insp. in charge.*
W. G. Adams, D.V.M., *Asst. Vet.*
Minnesota—South St. Paul:
O. Hornlein, M.D.V., *Sr. Vet., Insp. in charge.*
M. A. Sappington, D.V.S., *Asst. Vet., Supvr.*
J. D. Bloeners, D.V.M., *Asst. Vet.*
R. I. Lowenberg, D.V.M., *Jr. Vet.*
C. E. Redden, D.V.M., *Asst. Vet.*

Public Stockyards Inspection (Field)—Con.

Mississippi—Meridian:
Hartwell Robbins, D.V.S., *Vet., Insp. in charge.*
E. J. Meixel, D.V.S., *Asst. Vet.*
Missouri—South St. Joseph:
B. J. Stockler, D.V.M., *Vet., Insp. in charge.*
E. J. Cary, D.V.S., *Asst. Vet., Supvr.*
Nebraska—Omaha:
W. C. Herrold, V.S., *Sr. Vet., Insp. in charge.*
D. C. Murdock, M.D.C., *Asst. Vet., Supvr.*
G. P. Everly, D.V.S., *Asst. Vet.*
Frank Jelen, D.V.S., *Asst. Vet.*
C. A. Jerome, D.V.S., *Asst. Vet.*
New Jersey—Jersey City:
E. H. Baumann, D.V.M., *Assoc. Vet., Insp. in charge.*
M. J. Myers, V.S., *Asst. Vet., Supvr.*
New York:
Buffalo:
C. J. Millen, D.V.M., *Sr. Vet., Insp. in charge.*
B. P. Wende, V.S., *Asst. Vet., Supvr.*
C. R. Perkins, D.V.M., *Asst. Vet.*
New York:
A. F. Staub, D.V.M., *Sr. Vet., Insp. in charge.*
W. R. Fleming, D.V.S., *Asst. Vet.*
Ohio:
Cincinnati:
W. W. Lawson, M.D.C., *Vet., Insp. in charge.*
F. B. Drake, D.V.M., *Asst. Vet., Supvr.*
Cleveland:
C. P. Hart, V.S., *Vet., Insp. in charge.*
G. C. Mawer, D.V.M., *Asst. Vet.*
Dayton:
C. H. Herrold, M.D.V., V.S., *Assoc. Vet., Insp. in charge.*
Oklahoma—Oklahoma City:
L. J. Allen, V.S., *Sr. Vet., Insp. in charge.*
A. H. Denham, D.V.S., *Asst. Vet., Supvr.*
Oregon—Portland:
P. P. Taylor, D.V.M., *Assoc. Vet., Insp. in charge.*
A. M. Blackwell, V.S., *Asst. Vet., Supvr.*
Pennsylvania:
Lancaster:
H. S. Weber, M.D.V., *Assoc. Vet., Insp. in charge.*
Philadelphia:
Thomas Castor, V.D.M., *Assoc. Vet., Insp. in charge.*
F. S. Hope, V.M.D., *Asst. Vet.*
Pittsburgh:
O. W. Seher, D.V.M., *Assoc. Vet., Insp. in charge.*
H. K. Walter, D.V.M., *Asst. Vet., Supvr.*
South Dakota—Sioux Falls:
G. W. Famous, M.D.V., *Assoc. Vet. Insp. in charge.*
C. L. White, D.V.S., *Asst.*
Tennessee:
Chattanooga:
G. R. Hartman, D.V.S., *Assoc. Vet., Insp. in charge.*
Memphis:
F. T. Suit, D.V.M., *Assoc. Vet., Insp. in charge.*
Nashville:
R. H. Nutt, D.V.M., *Assoc. Vet., Insp. in charge.*
J. E. Bender, D.V.M., *Asst. Vet.*
Texas:
Fort Worth:
H. L. Darby, D.V.S., *Sr. Vet., Insp. in charge.*

Public Stockyards Inspection (Field)—Con.

Texas—Continued.
Forth Worth—Continued.
A. J. Clark, D.V.M., *Asst. Vet.*
W. L. Endsley, D.V.S., *Asst. Vet., Supvr.*
D. E. Warner, D.V.M., *Asst. Vet.*
San Antonio:
Wm. Thompson, M.D.C., *Assoc. Vet., Insp. in charge.*
Utah:
North Salt Lake City:
E. P. Durham, D.V.M., *Asst. Vet., Insp. in charge.*
Ogden:
F. E. Murray, D.V.M., *Assoc. Vet., Insp. in charge.*
Irvin Owens, D.V.S., *Asst. Vet., Supvr.*
Virginia—Richmond:
Henry Marshall, V.M.D., *Assoc. Vet., Insp. in charge.*
Washington:
Seattle:
C. L. Norris, D.V.S., *Assoc. Vet., Insp. in charge.*
Spokane:
J. R. Aufente, D.V.S., *Assoc. Vet., Insp. in charge.*
W. A. Davidson, D.V.S., *Asst. Vet.*
West Virginia—Wheeling:
L. A. Licking, D.C.M., *Assoc. Vet., Insp. in charge.*
Wisconsin—Milwaukee:
B. C. Johnson, D.V.M., *Assoc. Vet., Insp. in charge.*
R. E. Cochrane, M.D.V., *Asst. Vet.*

PATHOLOGICAL DIVISION

Harry W. Schoening, V.M.D., *Prin. Vet., Chief.*
L. T. Giltner, D.V.M., M.S., *Sr. Vet., Asst. Chief.*

Diseases of Animals (Pathology, Bacteriology, Sereology, and Immunology):

L. T. Giltner, D.V., M.S., *Sr. Vet.*
William S. Gochenour, V.M.D., *Sr. Vet.*
William M. Mohler, D.V.M., *Vet.*
C. D. Stein, V.M.D., *Assoc. Vet.*
W. T. Miller, D.V.M., M.S., Ph.D., *Asst. Vet.*
Chester N. Dale, D.V.M., *Jr. Vet.*
Herbert Rogers, *Minor Sci. Helper.*

Poultry Diseases:

Warren B. Shook, V.M.D., *Assoc. Vet.*

Stock Poisoning by Plants:

Arthur B. Clawson, B.A., *Physiol.*
Edward A. Moran, B.S., *Jr. Physiol.*
James F. Couch, A.B., A.M., Ph.D., *Chem. (Toxicology).*

General Pathology:

Gilbert T. Creech, D.V.S., *Vet.*

Branch Pathological Laboratories:

Colorado—Denver:
George W. Stiles, B.S., M.D., Ph.D., *Assoc. Bact.*
C. L. Davis, D.V.M., *Asst. Vet.*
Maude E. Dye,* *Under Sci. Helper.*
Illinois—Chicago:
L. Enos Day, V.S., *Assoc. Vet.*
John S. Bengston, D.V.M., *Asst. Vet.*
Maryland:
Beltsville:
Walter J. Hall, D.V.M., *Asst. Vet.*
Hubert Bunyea, A.B., D.V.S., *Assoc. Vet.*
Bethesda:
Maurice S. Shahan, D.V.M., *Jr. Vet.*

TICK ERADICATION DIVISION

W. M. MacKellar, V.S., *Prin. Vet., Chief.*

FIELD STATIONS (work conducted in cooperation with States):

Alabama—Montgomery:
R. E. Jackson, V.S., *Assoc. Vet., Insp. in charge.*
Arkansas—Little Rock:
S. H. Still, D.V.S., *Assoc. Vet., Insp. in charge.*
James T. Mills, D.V.M., *Asst. Vet.*
Allen W. Rice, D.V.M., *Asst. Vet.*
Florida—Jacksonville:
T. W. Cole, D.V.M., *Vet., Insp. in charge.*
T. H. Applewhite, D.V.M., *Assoc. Vet.*
B. N. Lauderdale, D.V.M., *Asst. Vet.*
J. P. Mack, D.V.S., *Asst. Vet.*
Edwin L. Peck, D.V.M., *Jr. Vet.*
Dudley B. Pellette, D.V.M., *Asst. Vet.*
Fred E. Rambo, D.V.M., *Asst. Vet.*
John Redmond, D.V.M., *Asst. Vet.*
J. R. Wirthlin, D.V.M., *Asst. Vet.*
John W. Woods, D.V.M., *Asst. Vet.*
John H. Yoder, D.V.M., *Asst. Vet.*
Louisiana—Baton Rouge:
W. A. McDonald, D.V.M., *Assoc. Vet., Insp. in charge.*
D. D. Conner, D.V.S., *Asst. Vet.*
Wm. L. Davis, D.V.S., B.A., *Asst. Vet.*
N. N. Hatcher, D.V.M., *Asst. Vet.*
H. F. Kern, D.V.S., *Asst. Vet.*
H. A. Taggart, D.V.M., *Asst. Vet.*
Mississippi—Jackson:
Hartwell Robbins, D.V.S., *Vet., Insp., in charge.*
Joseph C. Barney, V.M.D., *Asst. Vet.*
Thomas W. Boman, D.V.M., *Assoc. Vet.*
Oklahoma—Oklahoma City:
L. J. Allen, V.S., *Sr. Vet., Insp. in charge.*
W. L. Hiatt, M.D.C., *Asst. Vet.*
South Carolina—Columbia:
W. K. Lewis, V.S., M.D.V., *Sr. Vet. (coop.), in charge.*
Texas—Fort Worth:
H. L. Darby, D.V.S., *Sr. Vet., Insp. in charge.*
Charles W. Brown, D.V.M., *Jr. Vet.*
James H. Cooper, D.V.M., *Asst. Vet.*
Arthur W. Horstmann, D.V.S., *Asst. Vet.*
Abner K. Kuttler, D.V.M., *Assoc. Vet.*
Edward E. Maas, D.V.M., *Jr. Vet.*
R. V. Pilgrim, D.V.M., *Asst. Vet.*
Jesse Robards, D.V.S., *Asst. Vet.*
Guy W. Rosenberger, D.V.S., B.S., *Asst. Vet.*
Jesse L. Shabram, D.V.M., *Asst. Vet.*
B. A. Taylor, D.V.M., *Asst. Vet.*

TUBERCULOSIS ERADICATION DIVISION

A. E. Wight, M.D.V., *Prin. Vet., Chief.*
Elmer Lash, D.V.S., *Vet.*
Hugh M. O'Rear, D.V.M., *Assoc. Vet.* (travels out of Washington).

FIELD STATIONS (work conducted in cooperation with States):

Alabama—Montgomery:
R. E. Jackson, D.V.M., *Assoc. Vet., Insp. in charge.*
J. B. Favara, D.V.M., *Jr. Vet.*
R. H. Hamner, D.V.M., *Asst. Vet.*
C. I. Harkins, D.V.M., *Jr. Vet.*
C. C. Middleton, D.V.M., *Asst. Vet.*
Arkansas—Little Rock:
S. H. Still, D.V.S., *Assoc. Vet.*
W. E. Glockner, V.M.D., *Asst. Vet.*
Ray O. Porter, D.V.S., *Asst. Vet.*
California—Sacramento:
W. E. Howe, V.S., D.V.M., *Assoc. Vet., Insp. in charge.*

FIELD STATIONS—Continued.

California—Sacramento—Continued.
F. E. Allen, M.D.C., *Asst. Vet.*
C. L. Gooding, D.V.M., *Jr. Vet.*
R. J. Spain, D.V.M., *Asst. Vet.*
W. W. Worcester, V.S., *Asst. Vet.*
Colorado—Denver:
J. O. Wilson, D.V.M., *Assoc. Vet., Insp. in charge.*
Connecticut—Hartford:
R. L. Smith, D.V.S., *Assoc. Vet., Insp. in charge.*
T. J. Ahern, D.V.M., *Asst. Vet.*
F. E. Blake, D.V.M., *Asst. Vet.*
H. B. Davis, D.V.M., *Asst. Vet.*
J. A. Rathbone, D.V.M., *Asst. Vet.*
Florida—Jacksonville:
T. W. Cole, D.V.M., *Vet., Insp. in charge.*
R. L. Brinkman, D.V.M., *Asst. Vet. (coop.).*
Ira W. Edwards, M.D.C., *Jr. Vet.*
W. McPherson, D.V.M., *Asst. Vet.*
M. V. Springstun, D.V.M., *Asst. Vet.*
Georgia—Atlanta:
W. C. Dendinger, D.V.M., *Assoc. Vet., Insp. in charge.*
D. R. Appel, D.V.M., *Jr. Vet.*
C. A. Greenig, D.V.M., *Asst. Vet.*
J. R. Love, D.V.M., *Asst. Vet.*
Idaho—Boise:
J. T. Dallas, D.V.M., B.S.A., *Assoc. Vet., Insp. in charge.*
J. E. Ellis, D.V.Sc., *Asst. Vet.*
F. H. Melvin, V.M.D., *Asst. Vet.*
Illinois—Chicago:
J. J. Lintner, M.D.C., *Assoc. Vet., Insp. in charge.*
O. Augspurger, D.V.S., *Vet. Insp. (coop.).*
T. M. Bayler, M.D.C., *Asst. Vet.*
G. W. Hess, D.V.M., *Asst. Vet. (coop.).*
T. K. Jones, D.V.M., *Asst. Vet.*
Vernon Lyon, D.V.M., *Asst. Vet., (coop.).*
G. O. Smith, D.V.M., *Vet. Insp. (coop.).*
Indiana—Indianapolis:
H. Busman, V.S., M.D., *Vet., Insp. in charge.*
E. V. Alexander, D.V.M., *Asst. Vet.*
E. E. Coshow, D.V.M., *Asst. Vet.*
J. B. Current, Ph.G., D.V.M., *Asst. Vet.*
G. W. Hamilton, D.V.M., *Asst. Vet.*
J. P. Rimstidt, D.V.M., *Asst. Vet.*
R. E. Smith, M.D.V., *Asst. Vet.*
E. D. Wright, B.V.Sc., *Asst. Vet.*
Iowa—Des Moines:
J. A. Barger, D.V.S., *Sr. Vet., Insp. in charge.*
B. L. Caudill, D.V.M., *Asst. Vet.*
L. N. Jargo, D.V.S., D.V.M., *Asst. Vet.*
H. E. Johnston, D.V.M., *Asst. Vet.*
A. J. Matter, D.V.M., *Jr. Vet.*
F. F. Meads, D.V.M., *Jr. Vet.*
J. J. O'Brien, D.V.M., *Asst. Vet.*
G. B. Senior, B.V.S., *Jr. Vet.*
J. P. Simons, D.V.M., *Asst. Vet.*
G. C. Stong, D.V.M., *Asst. Vet.*
J. M. Wineinger, D.V.M., *Asst. Vet.*
Kansas—Topeka:
N. L. Townsend, V.M.D., *Assoc. Vet., Insp. in charge.*
W. I. Bowersox, D.V.M., *Asst. Vet.*
L. S. Campbell, D.V.S., *Asst. Vet.*
E. C. Cannon, D.V.S., LL.B., *Asst. Vet.*
C. D. Lash, D.V.S., *Asst. Vet.*
R. C. Patterson, D.V.M., *Jr. Vet.*
L. C. Songer, D.V.S., *Asst. Vet.*
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W. F. Biles, D.V.M., *Assoc. Vet., Insp. in charge.*
A. S. Barnes, D.V.M., *Asst. Vet.*
J. F. Gest, D.V.M., *Jr. Vet.*
J. R. Houchins, D.V.M., *Asst. Vet.*
E. M. Stemmler, D.V.M., *Asst. Vet. (coop.).*

FIELD STATIONS—Continued.

Louisiana—New Orleans:
B. F. Gooch, D.V.S., *Assoc. Vet. Insp. in charge.*
A. W. Vornheder, D.V.M., *Asst. Vet.*
Maine—Augusta:
J. R. Corliss, D.V.M., *Jr. Vet., Insp. in charge.*
D. K. Eastman, D.V.M., *Asst. Vet.*
Maryland—Baltimore:
E. B. Simonds, D.V.M., *Assoc. Vet., (coop.), Insp. in charge.*
H. L. Armstrong, D.V.M., *Asst. Vet. (coop.)*
F. H. Benjamin, D.V.M., *Asst. Vet.*
C. B. Breininger, M.D.V., *Asst. Vet. (coop.)*
J. F. Creedon, D.V.S., *Asst. Vet.*
W. H. Frakes, D.V.M., *Asst. Vet.*
R. A. Gregory, D.V.S., *Asst. Vet. (coop.)*
J. J. Jones, D.V.M., *Asst. Vet. (coop.)*
O. L. Lockwood, D.V.S., *Asst. Vet.*
J. H. Muller, D.V.S., *Ast. Vet. (coop.)*
J. R. Porteus, D.V.S., *Asst. Vet.*
C. B. Weagley, V.S., *Asst. Vet. (coop.)*
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G. W. Breed, D.V.M., *Jr. Vet.*
C. W. Clark, V.S., *Asst. Vet.*
E. R. Coon, D.V.M., *Asst. Vet.*
H. K. Copithorn, V.M.D., *Asst. Vet.*
H. N. Hill, M.D.V., *Asst. Vet.*
A. M. Jacoby, D.V.M., *Asst. Vet.*
R. G. Lawton, V.S., *Asst. Vet.*
L. F. Maier, D.V.M., *Asst. Vet. (coop.)*
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T. S. Rich, V.S., *Sr. Vet., Insp. in charge.*
W. H. Beck, V.S., *Asst. Vet.*
M. P. Hunt, D.V.M., *Asst. Vet.*
John Keppel, D.V.M., *Asst. Vet.*
Wm. A. Rader, D.V.M., *Asst. Vet.*
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F. A. Henney, D.V.M., *Asst. Vet.*
J. N. Holzer, D.V. S., *Asst. Vet.*
C. F. Rathbun, D.V.S., *Asst. Vet.*
Henry Roome, V.S., *Asst. Vet.*
T. W. Scott, V.S., *Asst. Vet.*
F. M. Shigley, D.V.M., *Jr. Vet.*
A. M. Taylor, D.C.M., *Asst. Vet.*
A. L. Walsh, D.V.M., *Asst. Vet.*
A. E. Wardlow, D.V.M., *Asst. Vet.*
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Hartwell Robbins, D.V.S., *Vet., Insp. in charge.*
L. L. Denson, Jr., D.V.M., *Asst. Vet.*
J. W. Giffee, D.V.M., *Asst. Vet.*
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T. J. Eagle, D.V.S., *Asst. Vet.*
F. F. Fischer, D.V.M., *Asst. Vet.*
Marvin Gregory, D.V.M., *Asst. Vet.*
E. C. Hughes, D.V.M., *Jr. Vet.*
Ray Kelly, D.V.S., *Asst. Vet.*
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F. D. Hylton, D.V.M., *Jr. Vet.*
Wm. C. Nye, D.V.M., *Jr. Vet.*
L. E. Patton, D.V.M., *Asst. Vet.*
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Jas. B. Lavender, D.V.M., *Jr. Vet.*
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G. J Gruenewald, D.V.M., *Asst. Vet.*
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C. E. Moorman, D.V.M., *Jr. Vet.*
W. R. Sheff, D.V.M., B.S., *Jr. Vet.*
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A. A. Husman, D.V.M., *Asst. Vet.*
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A. M. Brolling, D.V.M., *Asst. Vet.*
Ray Gaskill, D.V.M., *Asst. Vet.*
H. P. LeGore, D.V.M., *Asst. Vet.*
Frederik Low, D.V.M., *Jr. Vet.*
G. J. Wolner, D.V.M., *Asst. Vet.*
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Thomas O'Reilly, D.V.S., *Asst. Vet.*
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E. E. Flory, D.V.S., *Asst. Vet.*
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M. A. Molohan, D.V.M., *Jr. Vet.*
La Roy Noyes, D.V.M., *Asst. Vet.*
J. A. Phillips, D.V.M., *Jr. Vet.*
D. M. Purdy, D.V.M., B.S.A., *Asst. Vet.*
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F. J. Bardsley, D.V.M., *Asst. Vet.*
M. L. Bryant, D.V.M., *Asst. Vet.*
J. S. Gwaltney, D.V.M., *Jr. Vet.*
H. C. Rhodes, D.V.M., *Asst. Vet.*
J. J. Staab, D.V.M., *Asst. Vet.*
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M. S. Britten, D.V.M., *Asst. Vet.*
Robert C. Dickson, B.S., D.V.M., *Jr. Vet.*
H. C. Cram, D.V.M., *Jr. Vet.*
Wm. M. Hobdy, D.V.M., *Asst. Vet.*
C. P. Marcus, D.V.M., *Jr. Vet.*
H. S. Miller, D.V.M., *Asst. Vet.*
L. J. Pate, D.V.M., *Jr. Vet.*
D. W. Rainey, D.V.M., *Jr. Vet.*
H. E. Stearns, D.V.S., *Jr. Vet.*
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M. O. Barnes, D.V.M., B.S., *Jr. Vet.*
F. W. Beckman, D.V.M., *Asst. Vet.*
W. E. Beeson, D.V.M., *Jr. Vet.*
E. A. Grubb, D.V.M., *Asst. Vet.*
C. H. Leavitt, M.D.C., *Asst. Vet.*
J. S. Murray, D.V.M., B.S., *Jr. Vet.*
J. M. Smith, D.V.M.S., V.S., *Asst. Vet.*
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John L. Core, D.V.M., *Jr. Vet.*
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A. A. Johnson, D.V.M., *Jr. Vet.*
R. M. Johnson, D.V.M., *Asst. Vet.*
S. R. White, D.V.M., *Jr. Vet.*
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J. S. Healy, M.D.V., *Sr. Vet., Insp. in charge.*
H. A. Downey, D.V.M., *Asst. Vet.*
L. J. Lewis, D.V.M., *Asst. Vet.*
C. B. Lord, D.V.M., *Asst. Vet.*
H. E. Mullen, D.V.M., *Asst. Vet.*
R. E. Nelson, D.V.M., *Asst. Vet.*
W. R. Winner, D.V.M., *Asst. Vet.*
Wyoming—Cheyenne:
W. A. Sullivan, M.D.V., *Assoc. Vet., Insp. in charge.*
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Colorado—Denver:
H. H. Day, D.V.M., *Assoc. Vet., Insp. in charge.*
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Georgia—Albany:
C. A. Klein, D.V.M., *Asst. Vet., Insp. in charge.*
Illinois:
Aurora (substa. of East St. Louis):
C. P. Lunneen, D.V.M., *Asst. Vet.*
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J. W. Joss, D.V.M., *Assoc. Vet., Insp. in charge.*
W. T. Bollmeier, D.V.M., *Asst. Vet.*
J. T. Draper, D.V.M., *Asst. Vet.*
Whitehall (substa. of East St. Louis):
Charles Walter, D.V.M., *Asst. Vet.*
Indiana:
Indianapolis:
J. D. Stillwell, D.V.M., *Vet., Insp. in charge.*
Thorntown (substa. of Indianapolis):
G. D. Ashley, D.V.M., *Asst. Vet.*
Iowa:
Des Moines (substa. of Fort Dodge):
F. H. Schafer, D.V.M., *Asst. Vet.*
Fort Dodge:
D. G. Tepfer, D.V.M., *Assoc. Vet., Insp. in charge.*
L. V. Cummings, D.V.M., *Asst. Vet.*
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L. B. Vermillion, D.V.M., *Assoc. Vet., Insp. in charge.*
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E. Lapple, D.V.M., *Asst. Vet.*
Birtwhistle McCormack, D.V.M., *Asst. Vet.*
F. L. Skrable, D.V.M., *Asst. Vet.*
Kansas:
Kansas City:
F. A. Imler, D.V.M., *Sr. Vet., Insp. in charge.*
O. E. Herl, D.V.M., *Assoc. Vet., Asst. Insp. in charge.*
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A. C. Trefzer, D.V.S., *Asst. Vet.*
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Topeka:
C. B. Clement, D.V.S., *Asst. Vet., Insp. in charge.*
Wichita:
F. N. Elwell, D.V.M., *Assoc. Vet., Insp. in charge.*
Edward Kernohan, D.V.M., *Asst. Vet.*
Missouri:
Lathrop (substa. of Kansas City, Kans.):
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St. Joseph:
J. S. Clark, D.V.M., *Assoc. Vet., Insp. in charge.*
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E. T. Marsh, D.V.M., *Asst. Vet.*
West Plains:
J. F. Park, D.V.M., *Asst. Vet., Insp. in charge.*

FIELD STATIONS AND SUBSTATIONS—Contd.

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A. L. Faunce, M.D.C., *Asst. Vet.*
Grand Island (substa. of Omaha):
G. P. Rebold, D.V.M., *Asst. Vet.*
Hooper (substa. of Omaha):
J. H. Cock, D.V.S., *Asst. Vet.*
Omaha:
E. H. Carter, V.S., M.D.V., *Assoc. Vet., Insp. in charge.*
C. V. Metcalf, D.V.M., *Asst. Vet.*
L. S. Rohrer, D.V.S., *Asst. Vet.*
Superior (substa. of Kansas City, Kans.):
Walter Boyce, D.V.M., *Asst. Vet.*
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F. A. Grenfell, D.V.M., *Assoc. Vet., Insp. in charge.*
W. G. Lockwood, D.V.M., *Jr. Vet.*
Ohio:
Columbus (substa. of Indianapolis, Ind.):
R. N. Birdwhistell, D.V.M., *Asst. Vet.*
Fostoria (substa. of Indianapolis, Ind.):
Robert Thumann, D.V.M., *Asst. Vet.*
Oklahoma—Oklahoma City (substa. of Wichita, Kans.):
G. C. Gulick, D.V.M., *Asst. Vet.*
South Dakota—Sioux Falls (substa. of Sioux City, Iowa):
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Texas—Fort Worth:
E. E. Lollar, D.V.M., *Assoc. Vet., Insp. in charge.*

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- Viola S. Snyder,* *Sci. Aid.*
- FIELD HEADQUARTERS:
  - Arizona—Tucson:
    - W. P. Taylor, Ph.D., *Sr. Biol., Field Natur.*
  - Wyoming—Jackson:
    - O. J. Murie, A.B., M.S., *Biol., Field Natur.*

Biological Research in Forest Wild Life (Field):
- Arizona—Tucson:
  - W. P. Taylor, Ph.D., *Sr. Biol., Field Natur.*
- Minnesota—St. Paul:
  - C. M. Aldous, M.S., *Asst. Biol., Field Natur.*
- North Carolina—Asheville:
  - Thos. D. Burleigh, M.S., *Assoc. Biol., Field Natur.*

Investigations of Migratory Birds:
- W. B. Bell, M.S., Ph.D., *Prin. Biol.*
- H. C. Oberholser, M.S., Ph.D., *Sr. Biol.*
- F. C. Lincoln, *Biol.*
- May T. Cooke, A.B., *Jr. Biol.*
- FIELD HEADQUARTERS:
  - California—Berkeley:
    - L. J. Goldman, *Assoc. Biol., Field Natur.*
  - Massachusetts—North Eastham, Cape Cod:
    - Oliver L. Austin, Jr., Ph.D., *Asst. Biol.*

Investigations in Alaska (Field):
- Alaska—College:
  - L. J. Palmer, *Sr. Biol., in charge Exp. Sta.*
  - Chas. H. Rouse, B.S., *Sr. For. Ranger.*
  - Jack W. Warwick, *Field Asst.*

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- Clarence Cottam, M.S., *Asst. Biol.*
- J. R. Malloch, A.B., *Biol.*
- F. M. Uhler, A.B., *Asst. Biol.*
- Phoebe Knappen, M.S., *Jr. Biol.*
- Alma M. Swords, B.S., *Jr. Biol.*
- Leon H. Kelso, A.B., *Jr. Biol.*
- Arnold L. Nelson, B.S., *Jr. Biol.*
- FIELD HEADQUARTERS:
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    - S. E. Piper, B.S., *Assoc. Biol.*
    - Johnson A. Neff, M.S., *Asst. Biol.*
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    - S. E. Aldous, M.A., *Jr. Biol.*
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  - Washington—Puyallup:
    - Theo. H. Scheffer, M.A., *Assoc. Biol.*

Food Habits Research in Forest Wild Life (Field):
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  - J. Paul Miller, B.S., *Jr. Biol.*

Food Resources of Migratory Bird Refuge Areas (Field):
- District of Columbia—Washington:
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  - A. C. Martin, M.S., *Jr. Biol.*

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  - Karl B. Hanson, B.S., D.V.M., *Biol., Dir. of Sta.*
  - Walter G. McBlain, Jr., B.S., *Jr. Biol Asst.*

Rabbit Experiment Station (Field):
- California—Fontana:
  - John W. Meyer, *Assoc. Biol., Dir. of Sta.*

Fur Animal Field Station (Field):
- Maryland—Black Water Refuge:
  - F. R. Smith, A.B., *Agent.*

WILD LIFE DISEASE INVESTIGATIONS

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FIELD HEADQUARTERS:
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- Minnesota—Minneapolis:
  - Walter E. Carlson, A.B., *Agt. (infectious diseases of fur animals).*
  - Carl Leonard Larson, B.S., *Agt. (infectious diseases of fur animals).*
- Virginia—Richmond:
  - L. C. Morley, M.S., D.V.M., *Agt. (diseases of game birds).*

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Control Methods Research (Field):
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  - E. E. Horn, *Assoc. Biol., Dist. Inv.*
- Colorado—Denver (lab. hdqrs.):
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  - J. C. Ward, B.S., *Assoc. Pharmacol.*
  - B. F. Lowery, *Biol. Aid.*
  - W. W. Smith, B.S., *Jr. Biol., Dist. Inv.*
  - D. A. Spencer, A.B., M.S., *Jr. Biol., Dist. Inv.*
- Oregon—Hillsboro:
  - A. W. Moore, B.S.A., *Jr. Biol., Dist. Inv.*
- Pennsylvania—Glenolden:
  - J. C. Munch, M.S., Ph.D., *Consult. Pharmacol.*

Rodent Control Bait Mixing Sta. (Field):
- Idaho—Pocatello:
  - P. T. Quick, *Jr. Biol., in charge.*

Control of Predatory Animals and Injurious Rodents (in coop. with States) (Field):
- Region No. 1—Eastern Region (hdqrs. Washington, D.C.):
  - James Silver, *Assoc. Biol., Regional Supvr.*

Control of Predatory Animals and Injurious Rodents—Continued.

Region No. 1—Continued.

F. N. Jarvis, *Sr. Biol. Aid.*

Florida—Gainesville (hdqrs. rodent control for Fla. and Ga.):

Carlyle Carr, B.S., *Jr. Biol., Leader.*

Indiana—Lafayette (hdqrs. rodent control for Ill., Ind., and Wis.):

G. C. Oderkirk, B.S.A., *Asst. Biol., Leader.*

Michigan—Escanaba (hdqrs. pred. an. control for Mich.):

H. P. Williams, *Leader.*

Mississippi—A. and M. College (hdqrs. rodent control for Ala., La., and Miss.):

Roy Moore, *Jr. Biol., Leader.*

New England States—Amherst, Mass. (hdqrs. rodent control for New England and N.Y.):

E. M. Mills, B.S., *Jr. Biol., Leader.*

North Carolina—Raleigh (hdqrs. rodent control for N.C. and S.C.):

A. E. Oman, B.S., M.F., *Asst. Biol., Leader.*

Region No. 2—Mountain Region (hdqrs. Denver, Colo.):

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Colorado:

Craig:

R. P. McFarland, *Asst. Leader.*

Denver (hdqrs. pred. an. and rodent control for Colo.):

Dorr D. Green, B.S., *Asst. Biol., Leader.*

Wm. E. Riter, B.S., *Jr. Biol., Asst. Leader.*

Monte Vista:

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Montrose:

G. M. Trickel, *Asst. Leader.*

Idaho:

Boise (hdqrs. pred. an. and rodent control for Idaho):

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Hammond Hansen, *Agt.*

Idaho Falls:

H. H. Gubser, *Asst. Leader.*

Lewiston:

Owen W. Morris, *Agt.*

Pocatello:

L. S. Twitchell, *Asst. Leader.*

C. L. Bohlscheid, *Agt.*

Montana:

Billings (hdqrs. pred. an. and rodent control for Mont.):

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O. E. Stephl, B.S.A., *Asst. Biol., Asst. Leader.*

L. M. Cheney, *Jr. Leader.*

Bozeman:

E. C. Cates, B.S.A., *Jr. Biol., Asst. Leader.*

South Dakota — Mitchell (hdqrs. pred. an. and rodent control for S.Dak. and Nebr.):

Louis Knowles, *Leader.*

H. H. Haecker, A.B., *Jr. Biol., Asst. Leader.*

Utah:

Pred. An. Control:

Salt Lake City (hdqrs., for Utah):

Geo. E. Holman, *Leader.*

Edward Rasmussen, *Asst. Leader.*

Rodent Control:

Salt Lake City (hdqrs. for Utah):

R. S. Zimmerman, *Asst. Biol., Leader.*

V. L. Johnson, *Agt.*

Control of Predatory Animals and Injurious Rodents—Continued.

Region No. 2—Continued.

Wyoming:

Cheyenne (hdqrs. pred. an. and rodent control for Wyo.):

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Lusk:

E. G. Albert, *Asst. Leader.*

Rock Springs:

O. L. Robinson, *Asst. Leader.*

Sheridan:

O. S. Robinson, *Asst. Leader.*

Region No. 3—Pacific Region (hdqrs. Portland, Oreg.):

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California:

Pred. An. Control:

Sacramento (hdqrs. for Calif.):

Chas. G. Poole, *Leader.*

J. G. Traub, *Asst. Leader.*

Wm. F. Polsen, *Asst. Leader.*

Rodent Control:

Chico:

H. G. Hansen, *Jr. Biol., Asst. Leader.*

Sacramento (hdqrs. for Calif.):

Joseph Keyes, *Asst. Biol., Leader.*

Nevada—Reno (hdqrs. pred. an. and rodent control for Nev.):

E. R. Sans, *Leader.*

A. L. Rasmussen, *Asst. Leader.*

C. G. Fairchild, *Sr. Biol. Aid., Asst. Leader.*

Oregon—Portland (hdqrs. pred. an. and rodent control for Oreg.):

Stanley G. Jewett, *Leader.*

Fred R. Sankey, *Asst. Leader.*

H. W. Dobyns, *Asst. Leader.*

Roy Fugate, *Jr. Biol., Asst. Leader.*

C. F. Branson, *Agt.*

Washington:

Olympia (hdqrs. pred. an. and rodent control for Wash.):

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Elmer Williams, *Asst. Leader.*

L. L. Englund, *Agt.*

Puyallup:

John Finley, B.S.A., *Asst. Biol., Asst. Leader.*

Spokane:

John D. Connors, *Asst. Leader.*

Tacoma:

C. A. Tucker, *Agt.*

Region No. 4—Southwestern Region (hdqrs. Phoenix, Ariz.):

D. A. Gilchrist, *Assoc. Biol., Regional Supvr.*

Arizona—Phoenix (hdqrs. pred. an. and rodent control for Ariz.):

B. E. Foster, *Asst. Biol., Leader.*

C. E. Gillham, B.S., *Asst. Leader.*

Arkansas—Little Rock (hdqrs. pred. an. control, Oklahoma City, Okla.):

C. F. Briggs, *Asst. Leader.*

New Mexico—Albuquerque (hdqrs. pred. an. and rodent control for N.Mex.):

J. C. Gatlin, Jr., *Asst. Biol., Leader.*

S. C. Rogers, *Asst. Leader.*

Thomas L. English, *Asst. Leader.*

Oklahoma—Oklahoma City (hdqrs. pred. an. control for Okla. and Ark.):

A. E. Gray, *Assoc. Biol., Leader.*

Texas:

Pred. An. Control:

Big Spring:

A. B. Bynum, *Asst. Leader.*

Control of Predatory Animals and Injurious Rodents—Continued.
Region No. 4—Continued.
Texas—Continued.
Pred. An. Control—Continued.
Cisco:
E. T. Personett, *Asst. Leader.*
Fort Stockton:
E. B. Ligon, *Asst. Leader.*
San Antonio (hdqrs. for Tex.):
C. R. Landon, *Leader.*
Rodent Control:
Canyon:
O. L. Coleman, *Asst. Leader.*
Dallas:
C. D. Schwartz, A.B., *Jr. Biol., Asst. Leader.*
San Antonio (hdqrs. for Tex.):
L. C. Whitehead, B.S.A., *Asst. Biol., Leader.*
J. M. Hill, Jr., B.S.A., *Jr., Biol., Asst. Leader.*
F. W. Dawson, *Agt.*

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W. R. Dillon, *Asst. U.S. Game Conserv. Off.*
R. W. Williams, LL.B., *Asst. U.S. Game Conserv. Off.*
F. L. Earnshaw, LL.B., *Asst. in Reserv. Admin.*
F. P. Callaghan, LL.B., *Admin. Asst.*
Thos. E. Jacoby, *Admin. Asst.*
F. G. Grimes, *Jr. Admin. Asst.*
G. A. Hossick, *Jr. Admin. Asst.*
R. O. Gustafson, B.S., M.F., *Jr. For.*

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Arkansas—Little Rock:
Geo. M. Riddick.
California—Berkeley:
George Tonkin.
District of Columbia—Washington:
L. A. Branchaud.
Florida—Daytona Beach:
J. V. Kelsey.
Georgia—Savannah:
E. B. Whitehead.
Illinois—Peoria:
Stephen Creech.
Kansas—Garden City:
John Q. Holmes.
Maine—Portland:
B. E. Smith.
Maryland—Cambridge:
O. D. Steele.
Minnesota—St. Paul:
B. J. Shaver.
Missouri:
Kansas City:
J. E. Perry.
St. Louis:
Harry Barmeier.
Montana—Billings:
K. F. Roahen.
New Jersey—Pleasantville:
Albert Stadlmeir.
New York—Owego:
P. S. Farnham.
North Carolina—Elizabeth City:
Wm. L. Birsch.
Ohio—Columbus:
M. A. Charlton.
Oregon—Portland.
C. A. Leichhardt.
Tennessee—Memphis:
L. J. Merovka.
Texas—Houston:
Frank Clarkson.
Washington—Spokane:
Webster H. Ransom, A.B., M.S.F.

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Big-Game Preserve (*U.S. Reservation Protectors, unless otherwise stated*):
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Robert S. Norton, D.C.M., *Nat. Bison Range.*
Nebraska—Valentine:
G. A. Amundson, *Niobrara Reserv.*
North Dakota—Fort Totten:
W. D. Parker, *Sullys Hill Nat. Game Preserve.*
South Dakota—Hot Springs:
H. H. Hoyt, *Wind Cave Nat. Game Preserve.*
Wyoming—Jackson:
A. P. Nelson, *Elk Refuge.*
Troy W. Pratt, *Asst.*

Bird Refuges (*Deputy Reservation Protectors, unless otherwise stated*):
Alaska—Juneau:
Hugh W. Terhune, *Admin. Off., Alaska Reserv.*
Arkansas—Manila:
Steven B. Crossley, *Protector, Big Lake Reserv.*
Florida:
Brooksville:
W. F. Ward and R. T. Long, *Chinsegut Hill Refuge.*
St. Marks:
P. T. Kreager, B.S.F., M.F., *Acting Super., St. Marks Refuge.*
Georgia—Sapeloc:
Harry E. Magbee, *Protector, Blackbeard Island Reserv.*
Hawaii—Honolulu:
Gerrit P. Wilder,[1] *Hawaiian Islands Reserv.*
Idaho—Rupert:
Jos. Talla,[2] *Minidoka Reserv.*
Maryland—Cambridge:
P. J. Van Huizen, B.S., *Acting Super., Blackwater Refuge.*
Montana:
Miles City:
J. R. Quesenberry,[3] *Fort Keogh Reserv.*
Moiese:
Robert S. Norton, D.C.M., *Protector, Nine Pipe and Pablo Reserv.*
Nebraska:
Minatare:
H. R. McElwee,[1] *North Platte Reserv.*
Mumper:
W. T. Krummes, B.S.F., *Acting Super., Crescent Lake Refuge.*
Nevada—Vya:
Ernest J. Greenwalt, *in charge, Charles Sheldon Refuge.* (P.O., Cedarville, Calif.)
New Mexico:
Carlsbad:
L. E. Foster,[2] *Carlsbad Reserv.*
J. P. Middleton,[2] *Asst.*
Elephant Butte, via Engle:
Geo. R. Shannon,[2] *Rio Grande Reserv.*
North Dakota:
Fort Totten:
W. D. Parker, *Protector, Chase Lake and Stump Lake Reserv.*
Pettibone:
Hugh Marston,[1] *Asst., Chase Lake Reserv.*
Tolna:
H. J. Schindele and L. A. Johnson, *Assts., Stump Lake Reserv.*

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[1] Cooperative protector.
[2] Cooperative protector: Bu. of Reclamation employee.
[3] Cooperative protector: Bureau of An. Ind. employee.

Bird Refuges—Continued.
Oregon:
Merrill:
H. M. Worcester, *Protector, Tule Lake Bird Refuge, Calif.; Clear Lake Reserv., Calif.; and Upper Klamath Wild Life Refuge, Oreg.*
Pendleton:
C. L. Tice,[2] *McKay Creek Reserv.*
Princeton:
G. M. Benson, *Protector, Lake Malheur Reserv.*
South Carolina:
McClellanville:
Harold F. West, B.S., *Acting Super., Cape Romain Refuge.*
A. F. Wichman,[4] Asst.
Savannah:
Mannie Carter, *Savannah River Refuge.*
South Dakota—Fruitdale:
F. C. Winkler,[2] *Belle Fourche Reserv.*
Utah—Spanish Fork:
Byron H. Tuttle,[1] *Strawberry Valley Reserv.*
Washington—Conconully:
F. B. Tindall,[2] *Conconully Reserv.*

Upper Mississippi River Wild Life and Fish Refuge:
Minnesota—Winona (hdqrs.):
R. C. Steele, *Supt.*
E. C. Hotchkiss, LL.B., *Admin. Asst.*
H. C. Lawrence, *Reserv. Ranger.*
J. L. Lundberg, *Reserv. Ranger.*
H. F. Hall, *Reserv. Ranger.*
H. A. Miller, A.B., M.F., *Jr. For.*
G. H. Winslow, *Engineman.*
A. J. Cheney, *Jr. Reserv. Ranger.*

Bear River Migratory Bird Refuge:
Utah—Brigham:
G. E. Mushbach, *Supt.*
Vanez Wilson, B.S., *Assist. Irrig. Engr.*
Archie V. Hull, *Agent.*

Regulation of Importation of Birds and Mammals:
R. W. Williams, LL.B., *Asst. U.S. Game Conserv. Off. in charge.*

Field Headquarters of Importation Inspectors:
California:
Los Angeles:
A. J. Van Rossem.
San Diego:
Laurence M. Huey.
San Francisco:
Mary E. Davidson.*
Margaret W. Wythe, M.A.
H. S. Swarth.

[1] Cooperative protector.
[2] Cooperative protector: Bu. of Reclamation employee.
[4] Cooperative protector: Bu. of Lighthouses employee.

Field Headquarters—Continued.
Hawaii—Honolulu:
D. T. Fullaway.[5]
L. A. Whitney.[5]
Maryland—Baltimore:
W. H. Fisher.
New York—New York:
B. S. Bowdish.
L. S. Crandall.
Pennsylvania—Philadelphia:
W. L. Baily.

Alaska Game Commission (Field):
First Judicial Div.:
William R. Selfridge, *Chairman,* Ketchikan.
Second Judicial Div.:
Frank P. Williams, St. Michael.
Third Judicial Div.:
Andrew A. Simons, Lakeview, via Seward.
Fourth Judicial Div.:
Irving McK. Reed, Fairbanks.
Chief resident repres. of Biol. Surv:
H. W. Terhune, *Exec. Off. and Secy.,* Juneau.

DIVISION OF LAND ACQUISITION

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Arthur A. Riemer, *Land Valuation Engr., Asst.*
R. M. Rutherford, B.S., *Assoc. Land Valuation Engr., Asst.*

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District of Columbia—Washington:
Albert Smith, jr.,[6] *Assoc. Cadastral Engr.*
Charles S. Cook, B.S., *Asst. Cadastral Engr.*
Oswald E. Recroft,[6] *Transitman.*
Kenneth C. Kern,[6] B.S., *Transitman.*
James M. McQueen, Jr.,[6] *Under Engr. Aid.*
James W. Whitehead, Jr., *Under Engr. Aid.*
J. Ralph Campbell, *Under Engr. Aid.*
Jack Y. Upham,[6] *Under Engr. Aid.*
Daniel H. Janzen,[6] B.S., *Jr. For.*
Albert J. Rissman,[6] B.S., *Jr. For.*
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Howard J. Sargeant,[6] B.S., *Jr. For.*
Bert J. G. Tousey, B.S., *Sr. Transitman.*
Jack H. Chipps, *Engr. Drft.*
Minnesota—Winona:
H. W. Hicks,[6] B.S., *Asst. Land Valuation Engr.*
Doren E. Woodward,[6] B.S., *Jr. For.*

[5] Bu. of Pl. Quar. employee.
[6] Detailed to Forest Service for emergency conservation work.

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C. A. Browne, M.A., Ph.D., D.Sc., *Asst. Chief.*
A. G. Rice, *Asst. to Chief.*
H. A. Donovan, *Chief Clerk and Personnel Off.*
S. D. Frissell, A.B., *in charge of Ed. Work.*
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Sugar and Sirups—Continued.
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J. A. Ambler, Ph.D., *Assoc. Chem.*
C. A. Fort, M.S., *Asst. Chem.*
E. K. Ventré, B.S., *Asst. Chem.*
S. Byall, B.S., *Asst. Chem.*

Cellulose and Starch:
J. A. Ambler, Ph.D., *Assoc. Chem.*
F. H. Thurber, M.A., Ph.D., *Assoc. Chem.*
R. E. Lothrop, B.E., M.S., *Asst. Chem.*
S. I. Gertler, B.S., M.A., *Asst. Chem.*

Miscellaneous Carbohydrates:
R. T. Balch, B.S., M.A., *Sr. Chem.*
E. Yanovsky, B.S., M.A., Ph.D., *Chem.*
J. A Ambler, Ph.D., *Assoc. Chem.*
S. Byall, B.S., *Asst. Chem.*
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P. W. Edwards, B.S., *Assoc. Engr.*
R. L. Hunt, Ch.E., *Assoc. Engr.*
R. L. Hanson, B.S., *Asst. Engr.*
L. R. Leinbach, B.S., *Asst. Chem.*

Illustrations:
R. M. Baker, *Prin. Engr. Drft.*
I. Bauserman, *Engr. Drft.*

Farm Fires:
H. E. Roethe, B.S., *Engr.*
E. J. Hoffman, Ph.D., *Assoc. Chem.*
M. A. Bradshaw, A.B., M.S., *Asst. Engr.*
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Engineering, Design, and Development Service:
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H. P. Newton, M.A., *Assoc. Chem.*
R. H. Nagel, A.B., *Asst. Chem.*
A. J. Stirton, B.S., *Jr. Chem.*

Catalytic Oxidations:
C. E. Senseman, B.S., M.A., *Chem.*
J. J. Stubbs, B.S., *Jr. Chem.*

Biological Stains:
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J. T. Scanlan, M.S., Ph.D., *Assoc. Chem.*
J. D. Reid, B.S., *Jr. Chem.*
C. G. Melin, B.S., *Asst. Sci. Aid.*

Industrial Fermentations:
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P. A. Wells, B.S., M.A., *Asst. Chem.*
A. J. Moyer, A.B., M.S., Ph.D., *Asst. Mycol.*
G. E. Ward, B.S., M.A., *Jr. Chem.*
L. B. Lockwood, M.A., *Jr. Mycol.*

Lignin:
M. Phillips, M.S., Ph.D., *Sr. Chem.*
M. J. Goss, A.B., LL.B., *Assoc. Chem.*

FOOD RESEARCH DIVISION

F. C. Blanck, Ph.D., *Prin. Chem. in charge.*

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California—Los Angeles:
E. M. Chace, LL.M., *Sr. Chem. in charge.*

Fruit and Vegetable Chemistry—Continued.
California—Los Angeles—Continued.
W. B. Davis, M.S., Ph.D., *Assoc. Chem.*
C. G. Church, M.S., *Assoc. Chem.*
H. D. Poore, B.S., *Assoc. Chem.*
C. W. Eddy, B.S., *Jr. Chem.*
D. G. Sorber, A.B., *Jr. Chem.*
W. E. Sutton, *Asst. Lab. Mech.*
Florida—Winter Haven:
H. von Loesecke, B.S., *Sr. Chem.*
G. N. Pulley, B.S., *Jr. Chem.*
Texas—Weslaco:
J. L. Heid, B.S., *Chem.*

Cereal Chemistry:
J. A. LeClerc, Ph.D., *Sr. Chem.*
L. H. Bailey, A.B., *Assoc. Chem.*
J. Davidson, Ph.D., *Assoc. Chem.*
M. R. Coe, M.S., *Assoc. Chem.*
Ruth G. Capen, A.B., *Jr. Chem.*

Bacteriology and Microchemistry:
L. H. James, Ph.D., *Sr. Bact.*
Vinnie A. Pease, M.S., Ph.D., *Assoc. Micros.*
H. E. Goresline, M.S., Ph.D., *Assoc. Bact.*
T. L. Swenson, B.S., Ph.C., *Assoc. Bact.*
R. P. Straka, M.S., *Asst. Bact.*
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M. B. Matlack, M.S., Ph.D., *Assoc. Biochem.*

Pharmacology:
California—San Francisco:
F. DeEds, M.A., Ph.D., *Sr. Toxicologist.*
J. O. Thomas, A.B., *Asst. Toxicologist.*

Enzymology:
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C. C. Smoot, B.S., *Technol.*
I. D. Clarke, A.B., *Assoc. Chem.*
R. M. DeBruyne, *Assoc. Hide Spec.*
L. S. Stuart, M.S., *Assoc. Bact.*
N. Longbottom, B.S , *Asst. Chem.*
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S. Palkin, M.S., Ph.D., *Sr. Chem.*
J. O. Reed, B.S., *Assoc. Dev. Engr.*
W. C. Smith, A.B., MS., *Asst. Chem.*
T. H. Harris, *Under Sci. Helper.*

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C. K. Clark, M.A., *Asst. Chem.*
C. H. Coulter, B.S., *Agt.*
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Naval Stores—Continued.
FIELD HEADQUARTERS—Continued.
Georgia—Tifton:
K. S. Trowbridge, D.S., Agt.

Paper:
T. D. Jarrell, M.S., *Assoc. Chem.*
J. M. Hankins, B.S., *Jr. Chem.*

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J. O. Reed, B.S., *Assoc. Dev. Engr.*
H. D. Weihe, M.S., *Asst. Chem.*
D. Q. Anderson, M.S., *Jr. Bact.*
G. H. Nelson, M.S., *Agt.*
O. L. Osburn, M.S., *Agt.*
R. L. Tillson, B.S., *Agt.*
T. McElhinney, B.S., *Agt.*
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H. L. J. Haller, Ch.E., Ph.D., *Sr. Chem.*
F. Acree, *Asst. Sci. Aid.*
H. V. Claborn, *Asst. Sci. Aid.*
P. S. Schaffer, *Asst. Sci. Aid.*
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Maryland—College Park:
J. R. Spies, A.B., M.S., *Jr. Chem.*

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L. E. Smith, M.S., *Assoc. Chem.*
FIELD LABORATORY:
Maryland—College Park:
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Spray Residues:
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R. H. Carter, A.B., M.S., *Assoc. Chem.*
FIELD LABORATORY:
Washington—Wenatchee:
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C. W. Murray, B.S., *Asst. Chem.*
J. E. Fahey, B.S., *Jr. Chem.*
J. F. Cassidy, B.S., *Jr. Chem.*
E. F. Potter, M.S., *Jr. Chem.*

Fluorine Insecticides:
R. H. Carter, A.B., M.S., *Assoc. Chem.*

Fumigants:
H. D. Young, B.S., *Assoc. Chem.*
FIELD LABORATORY:
California—Whittier:
H. L. Cupples, M.S., Ph.D., *Chem.*
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Oil Emulsions:
FIELD LABORATORY:
Ohio—Wooster:
L. H. Dawsey, Ph.D., *Asst. Chem.*

Analytical Work:
F. E. Dearborn, B.S., Ch.E., *Assoc. Chem.*
E. L. Gooden, A.B., *Asst. Sci. Aid.*
FIELD LABORATORY:
Maryland—College Park:
J. R. Spies, A.B., M.S., *Jr. Chem.*

Arsenical Insecticides:
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Physical Chemistry Investigations:
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O. A. Nelson, M.S., *Chem.*
H. A. Jones, M.S., *Asst. Chem.*

Toxicological Investigations:
W. A. Gersdorff, M.S., *Asst. Chem.*

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M. J. Horn, M.S., Ph.D., *Asst. Chem.*
C. E. F. Gersdorff, *Asst. Sci. Aid.*
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SOIL INVESTIGATIONS

A. G. McCall, Ph.D., *Chief.*

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Mechanical Analysis:
H. W. Lakin, A.B., *Jr. Phys.*
T. M. Shaw, *Jr. Sci. Aid.*

Research in Soil Chemistry:
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M. S. Anderson, M.S., Ph.D., *Chem.*
W. O. Robinson, M.S., *Chem.*
I. C. Brown, M.S., Ph.D., *Assoc. Chem.*
R. S. Holmes, A.B., *Assoc. Chem.*
L. T. Alexander, B.S., *Asst. Chem.*
I. C. Feustel, M.S., *Asst. Chem.*

Routine Analysis:
G. Edgington, B.S., *Asst. Chem.*
G. J. Hough, B.S., *Asst. Chem.*

Soil Erosion:
H. E. Middleton, M.S., Ph.D., *Assoc. Phys.*
C. S. Slater, A.B., M.S., *Asst. Phys.*

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O. Schreiner, Ph.G., M.S., Ph.D., *Prin. Biochem. in charge.*

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J. J. Skinner, M.S., Ph.D., *Sr. Biochem.*
L. A. Hurst, B.S., *Biochem.*
C. C. Fletcher, M.D., *Assoc. Chem.*
G. V. C. Houghland, M.S., Ph.D., *Assoc. Soil Technol.*
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Citrus and Truck Studies:
Florida—Orlando:
G. M. Bahrt, M.S., *Asst. Soil Technol.*
G. H. Serviss, M.S., *Asst. Agron.*
A. E. Hughes, Ph.D., *Agt.*
Sugarcane Soil Studies:
Louisiana—Houma:
N. McKaig, Jr., M.S., *Assoc. Soil Technol.*
A. M. O'Neal, B.S., *Assoc. Soil Technol.*
Pecan Soil Studies:
Georgia—Albany:
E. D. Fowler, B.S., *Assoc. Soil Technol.*
R. D. Lewis, M.S., *Asst. Soil Technol.*

Soil and Fertilizer Investigations—Contd.

FIELD LABORATORIES—Continued.

Pecan Soil Studies—Continued.

Louisiana—Shreveport:

A. O. Alben, M.S., Ph.D., *Asst. Soil Technol.*

H. M. Boggs, M.S., *Asst. Chem.*

Sugar-beet Soil Studies:

Nebraska—Scottsbluff:

E. S. Lyons, M.S., *Assoc. Soil Technol.*

North Dakota—Fargo:

R. A. Pendleton, M.S., Ph.D., *Asst. Soil Technol.*

Strawberry Soil Studies:

North Carolina—Chadbourn:

R. A. Lineberry, M.S., Ph.D., *Asst. Chem.*

Soil-Improvement Studies:

Sand Hill Station:

South Carolina—Columbia:

J. E. Adams, A.B., M.S., *Assoc. Soil Technol.*

E. M. Roller, M.S., Ph.D., *Asst. Chem.*

A. B. Bowen, *Agt.*

Cotton Root-rot Studies:

Texas—Austin:

P. R. Dawson, M.A., *Assoc. Biochem.*

H. V. Jordan, B.S., M.A., *Assoc. Soil Technol.*

E. R. Collins, Ph.D., *Asst. Soil Technol.*

W. V. Black, B.S., *Asst. Soil Technol.*

J. H. Hunter, M.S., *Asst. Soil Technol.*

D. R. Ergle, M.S., Ph.D., *Asst. Chem.*

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E. C. Shorey, M.A., D.Sc., *Sr. Biochem.*
R. B. Deemer, B.S., *Assoc. Biochem.*
G. P. Walton, M.S., *Assoc. Biochem.*
W R. Leighty, M.S., *Assoc. Biochem.*
R. F. Gardiner, M.S., *Asst. Chem.*
J. B. Martin, A.B., M.S., *Asst. Chem.*
J. A. Schricker, B.S., *Jr. Chem.*

Soil Reaction Studies:

E. F. Snyder, B.S., *Assoc. Chem.*

Greenhouse Studies:

F. R. Reid, *Asst. Biochem.*

DIVISION OF SOIL MICROBIOLOGY

C. Thom, M.A., Ph.D., *Prin. Mycol. in charge.*

Soil Fungi:

C. Thom, M.A., Ph.D , *Prin. Mycol.*
K. Raper, A.B., M.S., *Jr. Mycol.*

Soil Population:

N. R. Smith, B.S., *Sr. Bact.*
H. Humfeld, M.A., Ph. D., *Assoc. Bact.*

Soil Inoculation Investigations and Inspection:

L. T. Leonard, B.S., M.A., *Bact.*
F. W. Marsh, B.S., *Asst. Bact.*
S. H. Newcomer, *Under Sci. Helper.*

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Nitrogen Laboratory—Daniel Ready, *Asst. Sci. Aid.*

Miscellaneous Assistant—G. W. Irving, *Under Sci. Helper.*

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M. Baldwin, D.Sc., *Sr. Soil Sci., Insp. Dist. 1.*
W. E. Hearn, B.S., *Sr. Soil Sci., Insp. Dist. 2.*
T. D. Rice, Ph.B., *Sr. Soil Sci., Insp. Dist. 3.*
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J. E. Lapham, *Assoc. Soil Technol.*
E. H. Bailey, M.S., *Asst. Soil Technol.*
J. W. McKericher, *Assoc. Cartographer.*
H. L. Johnston, *Assoc. Cartographer.*
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A. T. Sweet, B.S.D., A.B., *Assoc. Soil Sci.*
F. A. Hayes, B.S., M.A., *Assoc. Soil Sci.*
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A. C. Anderson, B.S., *Asst. Soil Surv.*
M. W. Beck, B.S., *Asst. Soil Surv.*
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A. E. Taylor, Ph.B., *Asst. Soil Surv.*
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A E. Shearin, B.S., *Jr. Soil Surv.*
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H. M. Smith, B.S., *Jr. Soil Surv.*
L. H. Smith, B.S., *Jr. Soil Surv.*
L. R. Smith, B.S., *Jr. Soil Surv.*
G. A. Swenson, B.S., *Jr. Soil Surv.*
J. Thorp, B.S., *Jr. Soil Surv.*
B. H. Williams, B.S., *Jr. Soil Surv.*
C. H. Wonser, B.S., *Jr. Soil Surv.*

Soil Erosion Investigations:

H. H. Bennett, B.S., *Sr. Soil Sci. in charge.*

R. V. Allison, B.S., Ph.D., *Sr. Soil Conservationist.*

FIELD STATIONS:

Iowa—Clarinda:

G. W. Musgrave, M.S.A., *Sci. in Soil Erosion.*

Kansas—Hays:

L. C. Aicher, B.S.A., *Agt.*

O. E. Hays, M.S., *Agt.*

Missouri—Bethany:

R. E. Uhland, B.S., M.A., *Assoc. Sci. in Soil Erosion.*

North Carolina—Statesville:

J. M. Snyder, B.S., *Sci. in Soil Erosion.*

Ohio—Zanesville:

E. B. Deeter, B.S., *Asst. Soil Surv.*

Oklahoma—Guthrie:

H. G. Lewis, A.B., *Assoc. Sci. in Soil Erosion.*

Texas—Temple:

H. Dunlavy, M.S., *Agt.*

H. V. Geib, M.S., *Sci. in Soil Erosion.*

Texas—Tyler:

B. H. Hendrickson, B.S., *Sci. in Soil Erosion.*

Soil Erosion Investigations—Continued.
FIELD STATIONS—Continued.
Washington—Pullman:
W. A. Rockie, B.S., *Sci. in Soil Erosion.*
Wisconsin—La Crosse:
R. H. Davis, B.S., *Assoc. Sci. in Soil Erosion.*

Peat Investigations:
A. P. Dachnowski-Stokes, Ph.D., *Physiol.*

FERTILIZER INVESTIGATIONS

C. H. Kunsman, M.S., Ph.D., *Acting Chief.*

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E. J. Jones, Ch.E., Ph.D., *Asst. Phys.*
E. H. Melvin, Ph.D., *Asst. Chem.*
U. Liddel, A.B., *Asst. Chem.*

Mathematics:
W. E. Deming, M.S., Ph.D., *Assoc. Phys.*
Lola S. Deming,* M.A., *Asst. Sci. Aid.*

Catalysis:
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J. F. Shultz, M.S., *Asst. Chem.*
R. W. Harkness, Ch.E., Ph.D., *Asst. Chem.*
Katharine S. Love, A.B., M.S., *Jr. Chem.*
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R. T. Milner, M.S., Ph.D., *Assoc. Chem.*
V. L. Gaddy, A.B., *Asst. Chem. Engr.*
J. C. Southard, Ph.D., *Asst. Chem.*
T. H. Tremearne, *Jr. Chem. Engr.*
Ellen K. Rist,* A.B., *Jr. Chem.*
Mildred S. Sherman,* A.B., M.S., *Jr. Chem.*
C. P. Heins, Jr., A.B., *Jr. Sci. Aid.*

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L. R. Maxwell, Ph.D., *Assoc. Phys.*
M. E. Jefferson, A.B., *Jr. Phys.*
V. M. Mosley, *Jr. Sci. Aid.*

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A. K. Brewer, M.S., Ph.D., *Assoc. Phys.*
R. A. Nelson, B.S., *Jr. Phys.*
R. R. Miller, A.B., *Asst. Sci. Aid.*
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DIVISION OF FERTILZER TECHNOLOGY

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J. Y. Yee, M.S., *Assoc. Chem.*

Potash:
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S. L. Madorsky, Ph.D., *Assoc. Chem.*
E. J. Fox, A.B., M.S., *Assoc. Chem.*
J. R. Adams, B.S., *Assoc. Chem.*
D. L. Reed, A.B., M.S., *Asst. Chem.*

Furnace Methods:
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K. G. Clark, Ch.E., M.S., Ph.D., *Assoc. Chem.*
H. E. Patten, M.A., Ph.D., *Asst. Chem.*
L. E. Bowe, A.B., M.S., *Asst. Chem.*
H. I. Lansdon, BS., Che.E., *Asst. Chem. Engr.*

Phosphate:
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W. L. Hill, M.S., *Asst. Chem.*
D. S. Reynolds, M.S., *Asst. Chem.*
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A. R. Merz, M.S., Ph.D., *Chem.*
C. W. Whittaker, M.S., Ph.D., *Assoc. Chem.*
A. L. Mehring, A.B., *Assoc. Chem.*
F. O. Lundstrom, A.B., M.S., *Asst. Chem.*
J. O. Hardesty, A.B., M.S., *Asst. Chem.*
K. C. Beeson, M.S., *Asst. Chem.*
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C. A. Ludwig, M.S.A., Ph.D., *Assoc. Plant Physiol.*
H. Lineweaver, M.A., *Jr. Chem.*
S. R. Hoover, B.S., *Asst. Sci. Aid.*
C. K. Horner, B.S., *Jr. Sci. Aid.*

Relation of Free Nitrogen to Organic Compounds:
G. E. Hilbert, Ch.E., M.S., Ph.D , *Assoc. Chem.*
F. M. Schertz, M.A., Ph.D., *Assoc. Biochem.*
L. A. Pinck, Ch.E., M.S., *Asst. Chem.*
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C. E. Rist, A.B., *Jr. Chem.*
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W. L. Edwards, C.E., *Assoc. Engr.*
J. R. Dilley, M.E., *Assoc. Mech. Engr.*
Constance Sherry,* *Asst. Drft.*
J. F. Mullins, *Chief Engr. Aid.*
L. Testa, *Prin. Glassblower.*
A. D. Mack, *Sr. Glassblower.*
J. Reuter, *Prin. Instrument Maker.*
F. F. Robey, *Sr. Mech.*
J. B. Kershaw, *Prin. Lab. Mech.*

BUREAU OF DAIRY INDUSTRY

O. E. Reed, M.S., *Chief.*
J. M. Kemper, *Asst. to Chief, Admin.*

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Engineering:
K. E. Parks, *Assoc. Dairy Engr.*

Library:
Carrie B. Sherfy, *Jr. Libr.*

Extension:
New England States:
J. B. Parker, B.S.A., *Sr. Dairy Husb.*
Southern States:
W. E. Wintermeyer, B.S.A., *Assoc. Dairy Husb.*
Middle Western States:
A. B. Nystrom, M.S., *Sr. Dairy Husb.*
Western States:
R. C. Jones, B.S., *Sr. Dairy Husb.*

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L. A. Rogers, D.Sc., *Prin. Bact., Chief.*

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W. C. Frazier, Ph.D., *Sr. Bact.*

Condensed Milk and Milk Powder:
G. E. Holm, M.S., Ph.D., *Sr. Chem.*
G. R. Greenbank, Ph.D., *Assoc. Chem.*
H. R. Curran, Ph.D., *Assoc. Bact.*
E. F. Deysher, B.S., *Asst. Chem.*
P. A. Wright, M.S., *Asst. Chem.*
F. E. Kurtz, B.S., *Asst. Chem.*

Cheese Manufacturing Investigations:
K. J. Matheson, B.S., *Sr. Dairy Mfg. Spec.*
S. A. Hall, B.S., *Assoc. Dairy Mfg. Spec.*
R. R. Farrar, B.S., *Jr. Dairy Mfg. Spec.*
L. A. Burkey, M.S., Ph.D., *Assoc. Bact.*
G. P. Sanders, M.S., PhD., *Asst. Chem.*
J. Frank Cone, B.S., *Jr Bact.*

Butter and By-Products:
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S. P. Gould, M.A., *Asst. Chem.*
Emily Grewe, B.Ed., M.A., Ph.D., *Asst. Home Econ. Spec.*

Ice Cream Investigations:
Alan Leighton, B.S., *Sr. Chem.*
O. E. Williams, B.S., *Asst. Dairy Mfg. Spec.*
Abraham Leviton, M.S., *Jr. Chem.*

Nutrition of Dairy Cows:
E. B. Meigs, A.B., M.D., *Sr. Bact.*
B. H. Nicolet, Ph.D., *Sr. Chem.*
C. A. Cary, B.S., *Chem.*
W. A. Turner, M.A., Ph.D., *Assoc. Chem.*
H. T. Converse, B.S., *Assoc. Dairy Husb.*
A. M. Hartman, M.S., *Asst. Chem.*
E. A. Kane, M.S., *Asst. Chem.*
H. G. Wiseman, B.S., *Asst. Chem.*
C. B. Parker, M.S., *Jr. Chem.*
L. A. Shinn, A.B., *Jr. Chem.*

FIELD HEADQUARTERS:
Pennsylvania—Grove City:
W. T. Johnson, S.B., *Assoc. Bact.*
G. A. Ramsdell, M.S., *Asst. Chem.*
F. R. Evans, B.S., *Jr. Bact.*

DIVISION OF DAIRY CATTLE BREEDING, FEEDING, AND MANAGEMENT

R. R. Graves, M.S., *Prin. Spec. in Dairy Cattle Breeding, Chief.*
M. H. Fohrman, B.S., A.M., *Sr. Dairy Husb.*
W. W. Swett, B.S., A.M., *Sr. Dairy Husb.*
J. R. Dawson, B.S., M.A., *Sr. Dairy Husb.*
T. E. Woodward, M.S., *Sr. Dairy Husb.*
F. W. Miller, D.V.M., M.S.A., *Sr. Vet. and Physiol.*
E. I. Evans, A.B., *Assoc. Physiol. and Histol.*
J. B. Shepherd, B.S.A., *Assoc. Dairy Husb.*
C. A. Matthews, M.S., *Asst. Dairy Husb.*
C. J. Stauber, *Asst. Dairy Husb.*

FIELD STATIONS:
Louisiana—Jeanerette:
S. L. Cathcart, B.S., *Agt. in Dairying (coop.).*
Maryland—Beltsville:
T. W. Moseley, M.S., *Dairy Husb., Supt.*
R. H. Smith, M.S., *Asst. Dairy Husb.*
Missouri—Hannibal:
C. W. McIntyre, M.S., *Agt. (coop.), Supt.*
Montana—Huntley:
D. V. Kopland, B.S., *Asst. Dairy Husb.*
North Dakota—Mandan:
A. L. Watt, M.S., *Asst. Dairy Husb., Supt.*
Oklahoma—Woodward:
A. G. Van Horn, B.S.A., *Agt. in Dairying (coop.), Supt.*
South Carolina—Columbia:
J. A. Riley, M.S., *Agt. (coop.), Supt.*
E. W. Faires, B.S., *Agt. (coop.).*
Tennessee—Lewisburg:
J. A. Simms, M.S., *Agt. (coop.), Supt*
Utah—Logan:
G. Q. Bateman, B.S., *Agt. (coop.).*
Washington—Puyallup:
R. E. Hodgson, M.S., *Agt. (coop.).*

DIVISION OF MARKET-MILK INVESTIGATIONS

Ernest Kelly, *Sr. Mkt. Milk Spec., Chief.*
C. E. Clement, M.A., Ph.D., *Assoc. Mkt. Milk Spec.*
C. J. Babcock, B.S.A., *Mkt. Milk Spec.*
J. B. Bain, A.B., *Assoc. Mkt. Milk Spec.*
R. P. Hotis, B.S.A., *Assoc. Mkt. Milk Spec.*
F. M. Grant, B.S., *Asst. Mkt. Milk Spec.*

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J. C. McDowell, M.A., Ph.D., *Sr. Dairy Husb., Chief.*
J. E. Dorman, *Dairy Husb.*
J. F. Kendrick, M.S., *Assoc. Agric. Econ.*

DIVISION OF DAIRY MANUFACTURING INVESTIGATIONS AND INTRODUCTION

R. W. Bell, M.S., Ph.D., *Chief.*
Wm. White, B.S.A., *Sr. Dairy Mfg. Spec.*
C. S. Trimble, B.S.A., *Assoc. Dairy Mfg. Spec.*
H. L. Wilson, *Assoc. Dairy Mfg. Spec.*
J. G. Winkjer, *Assoc. Dairy Mfg. Spec.*
A. J. Boyer, B.S., *Asst. Dairy Mfg. Spec.*

FIELD HEADQUARTERS:
Ohio—Sugarcreek:
H. R. Lochry, B.S., *Asst. Dairy Mfg. Spec.*
Pennsylvania—Grove City:
R. F. Flint, *Agt. in Dairying (coop.).*
Tennessee—Nashville:
L. S. Edwards, *Asst. Dairy Mfg. Spec. (coop.).*
Wisconsin—Monroe:
R. E. Hardell, B.S.A., *Assoc. Dairy Mfg. Spec.*

BUREAU OF ENTOMOLOGY

Lee A. Strong, *Chief*
S. A. Rohwer, *Asst. Chief.*

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A. J. Leister, *Asst. Bus. Mgr.*
J. E. Andrews, *Asst. in charge of accounts and audits.*
S. B. Walker, *Purchasing Off.*
M. W. Ely, *Personnel Off.*
C. S. Menagh, *Sci. Aid.*

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Rolla P. Currie, B.A., *Assoc. Ent., in charge.*
J. P. Schumacher, A.B., *Asst. Ed.*
W. E. McBath, M.A., *Asst. Ed.*
Mary J. Edmands, A.B., *Asst. Ed.*
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Eleanor D. Booth, B.A., *Sr. Sci. Aid.*
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DIVISION OF FRUIT AND SHADE TREE INSECTS

D. L. Van Dine, B.S.A., *Prin. Ent., in charge.*
B. A. Porter, Ph.D., *Sr. Ent.*
Eva B. Fitzgerald,* B.A., *Sr. Sci. Aid.*

Apple Insects:
FIELD LABORATORIES:
Arkansas—Bentonville:
A. J. Ackerman, M.S., *Ent., in charge.*
S. A. Summerland, M.A., M.S., *Jr. Ent.*
Indiana—Vincennes:
R. F. Sazama, B.S., *Asst. Ent., in charge.*
Maryland—Takoma Park:
E. H. Siegler, M.S., Ph.D., *Sr. Ent., in charge.*
Francis Munger, B.S., *Jr. Ent.*
Washington:
Wenatchee:
M. A. Yothers, M.S., *Assoc. Ent., in charge.*
Yakima:
E. J. Newcomer, A.B., *Sr. Ent., in charge.*
E. R. Van Leeuwen, B.S., *Assoc. Ent.*
F. P. Dean, B.S., *Jr. Ent.*

Grape Insects:
FIELD LABORATORY:
Ohio—Sandusky:
G. A. Runner, *Assoc. Ent., in charge.*

Nut Insects:
FIELD LABORATORIES:
Georgia:
Albany:
G. F. Moznette, B.S., *Ent., in charge.*
Herbert Spencer, M.S., Ph.D., *Ent.*
Luther Brown, B.S., *Assoc. Ent.*
Experiment:
T. L. Bissell, B.S., *Asst. Ent., in charge.*
Texas—Brownwood:
C. B. Nickels, M.S., *Assoc. Ent., in charge.*

Peach Insects:
FIELD LABORATORIES:
Georgia:
Cornelia:
Wm. P. Yetter, Jr., M.S., *Assoc. Ent., in charge.*
L. F. Steiner, M.S., *Asst. Ent.*
Fort Valley:
O. I. Snapp, M.S., *Ent., in charge.*
J. R. Thomson, Jr., M.S., *Jr. Ent.*
New Jersey—Moorestown:
H. W. Allen, Ph.D., *Ent., in charge.*
J. K. Holloway, B.S., *Asst. Ent.*

Subtropical Fruit Insects:
FIELD LABORATORIES:
California—Whittier:
F. H. Lathrop, Ph.D., *Sr. Ent., in charge.*
F. R. Cole, A.M., Ph. D., *Assoc. Ent.*
E. A. McGregor, A.M., *Assoc. Ent.* (Citrus thrips.)
F. S. Stickney, M.S., Ph.D., *Assoc. Ent.* (Date insects.)
Bessie M. Broadbent, B.S., *Asst. Ent.*
H. R. Yust, A.B., M.S., *Sr. Sci. Aid.*
Florida—Orlando:
W. W. Yothers, B.S., A.B., *Ent., in charge.*
R. L. Miller, M.S., Ph.D., *Assoc. Ent.*

Fruit Flies:
FIELD LABORATORIES:
Canal Zone—Balboa:
James Zetek, A.B., *Assoc. Ent., in charge.*
Maria T. Paredes, *Under Biol. Aid (Ent.).*
Florida—Key West:
L. C. McAlister, Jr., B.S., *Asst. Ent., in charge.*
Hawaii—Honolulu:
O. C. McBride, B.S., M.A., *Ent., in charge.*
A. C. Mason, M.S., *Assoc. Ent.*
C. B. Keck, M.S., *Jr. Ent.*
Kam Hu Lau, *Jr. Chem. Engr.*
R. H. Marlowe, B.S., *Sr. Sci. Aid.*
Mexico—Mexico City, D.F.
A. C. Baker, Ph.D., *Prin. Ent., in charge.*
W. E. Stone, B.S., *Assoc. Ent.*
Miyauooto McPhail, B.S., *Asst. Ent.*
C. C. Plummer, M.S., *Asst. Ent.*

Shade-tree Insects:
William Middleton, M.A., *Ent.*
FIELD LABORATORY:
California—Palo Alto:
H. E. Burke, M.S., Ph.D., *Sr. Ent., in charge.*

Insecticidal Value of Oils.
FIELD LABORATORY:
Ohio—Wooster:
A. W. Cressman, B.S., *Assoc. Ent., in charge.*

DIVISION OF JAPANESE AND ASIATIC BEETLES

(Hdqrs., Moorestown, N.J.)

C. H. Hadley, B.S., *Prin. Ent., in charge.*

FIELD LABORATORIES:
New Jersey—Moorestown (hdqrs.):
I. M. Hawley, B.A., Ph.D., *Sr. Ent.*
J. L. King, M.S., Ph.D., *Sr. Ent.*
W. E. Fleming, M.S., Ph.D, *Ent.*
Henry Fox, B.S., M.A., Ph.D., *Assoc. Ent.*
T. R. Gardner, B.S., *Assoc. Ent.*
F. W. Metzger, B.S., *Assoc. Ent.*
F. E. Baker, B.S., *Asst. Ent.*
M. H. Brunson, M.S., *Asst. Ent.*
R. W. Burrell, B.S., *Asst. Ent.*
J. W. Lipp, M.S., *Asst. Ent.*
M. R. Osburn, M.S., *Asst. Ent.*
L. B. Parker, B.S., *Asst. Ent.*
R. T. White, B.S., *Asst. Ent.*
J. W. Balock, B.S., *Jr. Ent.*
A. R. Rolfs, B.S., *Jr. Ent.*
Louis Koblitsky, B.S. in Chem. E., *Jr. Chemist.*
Benjamin Freeman, Jr., *Asst. Sci. Aide.*
T. N. Dobbins, M.S., *Asst. Field Aide.*
R. J. Sim, *Chief Illustr. (Ent.).*
New York—Westbury:
H. C. Hallock, LL.B., M.S., *Assoc. Ent.*

DIVISION OF TRUCK CROP AND GARDEN INSECTS

W. H. White, B.S., *Prin. Ent., in charge.*
P. N. Annand, M.A., Ph.D., *Sr. Ent.*
Mary F. Benson,* *Sr. Sci. Illustr.*

Truck Crop Insects:

FIELD LABORATORIES:
Arizona—Tempe (lettuce insects):
K. B. McKinney, B.S., *Asst. Ent., in charge.*
California:
Alhambra (pepper weevil, wireworms, and tomato pinworm):
R. E. Campbell, M.S., *Ent., in charge.*
J. C. Elmore, B.S., *Asst. Ent.*
M. W. Stone, B.S., *Jr. Ent.*
Ventura (bean insects):
Rodney Cecil, M.S., Ph.D., *Assoc. Ent., in charge.*
Florida—Sanford (celery insects):
C. F. Stahl, B.S., *Ent., in charge.*
C. O. Bare, M.A., *Asst. Ent.*
C. B. Wisecup, M.S., *Asst. Ent.*
J. P. Vinzant, B.S., *Asst. Sci. Aid.*
Idaho—Parma (branch of Walla Walla, Wash., lab.) (wireworms):
F. H. Shirck, M.S., *Asst. Ent.*
Louisiana—Baton Rouge (cabbage insects, turnip aphid):
C. E. Smith, M.S., *Assoc. Ent., in charge.*
P. K. Harrison, M.S., *Asst. Ent.*
Norman Allen, M.S., *Jr. Ent.*
Mississippi—Biloxi (vegetable weevil and wireworms):
K. L. Cockerham, M.S., *Assoc. Ent., in charge.*
M. M. High, B.S., *Assoc. Ent.*
New Mexico—Estancia (branch of Columbus, Ohio, lab.) (bean insects):
J. R. Douglass, M.S., *Assoc. Ent., in charge.*
R. L. Wallis, B.S., *Jr. Ent.*
North Carolina—Chadbourn (cabbage insects, mole crickets, and miscellaneous insects):
W. A. Thomas, B.S., *Asst. Ent., in charge.*
Ohio—Columbus (bean insects):
N. F. Howard, M.S., Ph.D., *Sr. Ent., in charge.*
H. C. Mason, M.S., *Asst. Ent.*
B. J. Landis, M.S., *Asst. Ent.*
South Carolina:
Charleston (cabbage insects, melon worm, pickle worm, and seed-corn maggot):
W. J. Reid, Jr., B.S., *Asst. Ent.*
Fairfax (sand wireworm):
J. N. Tenhet, B.S., *Asst. Ent., in charge.*
Virginia—Norfolk (branch of Columbus, Ohio, lab.) (bean insects):
L. W. Brannon, B.S., *Asst. Ent.*
Washington:
Puyallup (European earwig):
S. E. Crumb, A.B., *Ent., in charge.*
C. W. Getzendaner, B.S., *Jr. Ent.*
Walla Walla (wireworms):
M. C. Lane, B.S., *Assoc. Ent., in charge.*
C. E. Woodworth, M.S., Ph.D., *Assoc. Ent.*
R. S. Lehman, M.S., *Asst. Ent.*
E. W. Jones, M.A., *Asst. Ent.*
K. E. Gibson, M.S., *Jr. Ent.*
H. P. Lanchester, M.S., *Jr. Ent.*
Wisconsin—Madison (pea insects):
J. E. Dudley, Jr., M.S., *Ent., in charge.*
T. E. Bronson, M.S., *Jr. Ent.*

Sweetpotato Weevil Control:

K. L. Cockerham, M.S., *Assoc. Ent., in charge* (hdqrs., Biloxi, Miss.).

Sweetpotato Weevil Control—Continued.

O. T. Deen, B.S., *Jr. Ent* (hdqrs, Biloxi, Miss.).
M. Brunson, B.S., *Jr. Ent.* (hdqrs., Picayune, Miss.).
W. B. Hollingsworth, B.S., *Jr. Ent.* (hdqrs., Picayune, Miss.).
F. A. Wright, B.A., *Jr. Ent.* (hdqrs., Bay St. Louis, Miss.).
S. C. Brummitt, *Sr. Sci. Aid* (hdqrs., Grand Bay, Ala.).

Sugar-Beet Insects:

P. N. Annand, M.A., Ph.D., *Sr. Ent., in charge:*

FIELD LABORATORIES:
California—Modesto:
W. C. Cook, M.S., Ph.D., *Ent., in charge.*
H. E. Wallace, M.S., *Assoc. Ent.*
F. R. Lawson, A.B., *Jr. Ent.*
G. T. York, B.S., *Jr. Ent.*
Colorado—Grand Junction:
W. A. Shands, M.S., *Asst. Ent., in charge.*
O. A. Hills, M.S., *Jr. Ent.*
V. E. Romney, M.S., *Jr. Ent.*
Idaho—Twin Falls:
J. C. Chamberlin, M.A., Ph.D., *Assoc. Ent., in charge.*
C. F. Henderson, M.S., *Asst. Ent.*
R. A. Fulton, M.S., Ph.D., *Agt.*
D. E. Fox, M.S., *Jr. Ent.*
F. H. Harries, M.A., *Jr. Ent.*
Utah—Salt Lake City:
E. W. Davis, M.S., *Asst. Ent., in charge.*
H. A. Dorst, M.A., *Jr. Ent.*

Berry Insects:

FIELD LABORATORIES:
North Carolina—Chadbourn:
W. A. Thomas, B.S., *Asst. Ent., in charge.*
L. B. Reed, B.S., *Jr. Ent.*
Virginia—Rosslyn (Arlington Expt. Farm):
C. H. Popenoe, B.S., *Assoc. Ent., in charge.*
Washington—Puyallup:
S. E. Crumb, A.B., *Ent., in charge.*
J. Wilcox, M.S., *Assoc. Ent.*
W. W. Baker, B.S., *Jr. Ent.*

Tobacco Insects:

FIELD LABORATORIES:
Florida—Quincy:
F. S. Chamberlin, B.S., *Asst. Ent., in charge.*
Tennessee—Clarksville:
J. U. Gilmore, B.S., *Asst. Ent., in charge.*
Joe Milam, *Prin. Sci. Aid.*

Insects Affecting Ornamental and Greenhouse Plants:

C. A. Weigel, M.S., Ph.D., *Sr. Ent., in charge.*
F. F. Smith, M.S., Ph.D., *Ent.*
H. H. Richardson, M.S., Ph.D., *Asst. Ent.*

FIELD LABORATORIES:
New York—Babylon (bulb insects):
F. J. Spruijt, M.S., *Asst. Ent., in charge.*
F. S. Blanton, B.S.A., *Jr. Ent.*
Virginia—Rosslyn, (Arlington Expt. Farm) (mushroom insects, bulb insects):
A. C. Davis, M.S., *Asst. Ent.*
R. H. Nelson, B.S., *Jr. Ent.*
Washington—Sumner (bulb insects):
C. F. Doucette, B.S., *Assoc. Ent., in charge.*
R. Latta, M.S., *Asst. Ent.*
C. H. Martin, M.S., *Asst. Ent.*
R. Schopp, B.S., *Jr. Ent.*

DIVISION OF FOREST INSECTS

F. C. Craighead, M.S., Ph.D., *Prin. Ent., in charge.*
M. W. Blackman, A.M., Ph.D., *Sr. Ent.*

Western Bark Beetles:

FIELD LABORATORIES:
California—Berkeley:
J. M. Miller, B.S., *Sr. Ent., in charge.*
K. A. Salman, B.S., Ph.D., *Assoc. Ent.*
G. R. Struble, M.S., *Asst. Ent.*
Albert Wagner, *Sr. Sci. Aid.*
Idaho—Coeur d'Alene:
J. C. Evenden, B.S., *Ent., in charge.*
A. L. Gibson, B.S., *Asst. Ent.*
L. G. Baumhofer, B.S., *Asst. Ent.*
W. D. Bedard, M.S., *Asst. Ent.*
H. J. Rust, *Sr. Sci. Aid.*
T. T. Terrell, *Asst. Sci. Aid.*
Oregon—Portland:
F. P. Keen, B.S., *Ent., in charge.*
J. A. Beal, B.S., *Asst. Ent.*
W. J. Buckhorn, *Sci. Aid.*

Forest-Tree Insects:

FIELD LABORATORIES:
Connecticut—New Haven:
H. J. MacAloney, M.F., Ph.D., *Asst. Ent., in charge.*
Michigan—Ann Arbor:
S. A. Graham, M.F., Ph.D., *Collab., in charge.*
North Carolina—Asheville:
R. A. St. George, M.S., *Assoc. Ent., in charge.*
Ohio—Columbus:
R. C. Hall, Ph.D., *Asst. Ent., in charge.*

Introduced Forest Insects:

FIELD LABORATORIES:
Hungary—Budapest (branch of Melrose Highlands, Mass., lab.):
W. F. Sellers, B.S., *Asst. Ent.*
Massachusetts—Melrose Highlands:
C. W. Collins, M.S., *Sr. Ent., in charge.*
T. H. Jones, B.S., *Sr. Ent.*
R. T. Webber, *Assoc. Ent.*
C. E. Hood, B.S., *Assoc. Ent.*
P. B. Dowden, B.S., *Asst. Ent.*
J. V. Schaffner, Jr., *Asst. Ent.*
S. F. Potts, M.S., *Asst. Ent.*
R. C. Brown, B.S., *Asst. Ent.*
W. L. Baker, B.S., *Jr. Ent.*
D. L. Parker, B.S., *Jr. Ent.*
A. B. Proper, M.S., *Jr. Ent.*
R. R. Whitten, B.S., *Jr. Ent.*
P. A. Berry, B.S., *Jr. Ent.*
R. Wooldridge, *Prin. Sci. Aid.*
J. E. R. Holbrook, *Sr. Sci. Aid.*
C. L. Griswold, *Asst. Sci. Aid.*
A. E. Lantz, *Field Asst.*

DIVISION OF CEREAL AND FORAGE INSECTS

W. H. Larrimer, M.S., Ph.D., *Prin. Ent., in charge.*
W. R. Walton, *Sr. Ent.*
J. S. Wade, *Assoc. Ent.*
Nettie S. Klopfer,* *Under Sci. Helper.*

General Cereal and Forage Insects:

FIELD LABORATORIES:
Arizona—Tempe (clover and alfalfa seed chalcis, range-caterpillar parasites, grasshoppers, and aphids):
V. L. Wildermuth, B.S., *Sr. Ent., in charge.*
J. C. Frankenfeld, M.S., *Assoc. Ent.*
E. E. Russell, *Asst. Ent.*
E. G. Davis, B.S., *Asst. Ent.*

General Cereal and Forage Insects—Contd.

FIELD LABORATORIES—Continued.
Arizona—Tempe—Continued.
Olus L. Barnes, M.S., *Jr. Ent.*
Loyd L. Stitt, B.S., *Jr. Ent.*
Ethel G. Mitchell, *Under Sci. Helper.*
California—Sacramento (grasshoppers, Hessian fly, alfalfa aphid, alfalfa-weevil parasites, and range craneflies):
W. B. Cartwright, B.S., *Ent., in charge.*
R. A. Blanchard, A.B., *Assoc. Ent.*
C. C. Wilson, B.S., *Asst. Ent.*
Georgia—Savannah (branch of Rosslyn, Va., lab.; corn ear worm):
G. W. Barber, D.Sc., *Assoc. Ent.*
Indiana—Lafayette (hessian fly, sod webworms, grasshoppers, chinch bug, cutworms, and white grubs):
C. M. Packard, M.S., *Sr. Ent., in charge.*
Philip Luginbill, A.M., Ph.D., *Assoc. Ent.*
H. R. Painter, M.S., *Assoc. Ent.*
W. B. Noble, B.S., *Asst. Ent.*
Curtis Benton, M.S., *Jr. Ent.*
Kansas—Wichita (hessian fly, chinch bug, green bug, southwestern corn borer, army cutworm):
J. R. Horton, B.S., *Ent., in charge.*
E. T. Jones, A.M., *Asst. Ent.*
H. H. Walkden, B.S., *Asst. Ent.*
W. T. Emery, A.M., *Asst. Ent.*
Missouri—Webster Groves (billbugs, sunflower and artichoke insects, and cutworms):
A. F. Satterthwait, *Assoc. Ent., in charge.*
Montana—Bozeman (grasshoppers and crickets):
J. R. Parker, M.S., Ph.D., *Sr. Ent., in charge.*
R. L. Shotwell, A.M., *Asst. Ent.*
F. A. Morton, B.S., *Jr. Ent.*
Nevada—Fallon (under direction of Ent. in charge of Sacramento, Calif., lab.; alfalfa aphid):
S. J. Snow, A.B., *Asst. Ent.*
Oregon—Forest Grove (clover root borer, wireworms, hession fly, wheat midge, aphids, and grasshoppers):
L. P. Rockwood, B.S., *Ent., in charge.*
T. R. Chamberlin, B.S., *Assoc. Ent.*
M. M. Reeher, A.B., *Asst. Ent.*
Pennsylvania—Carlisle (hessian fly, and its parasites and wheat sawflies):
C. C. Hill, B.S., *Assoc. Ent., in charge.*
J. S. Pinckney, B.S., *Asst. Ent.*
Edgar J. Udine, *Jr. Ent.*
Texas:
Beaumont (branch of San Antonio, Tex., lab.; sugarcane borer):
A. I. Balzer, B.S., *Asst. Ent.*
San Antonio (sorghum midge, sorghum webworm, grasshoppers, green bug, and southwestern corn borer):
E. V. Walter, B.S., *Assoc. Ent., in charge.*
A. A. Mathewson, M.S., *Asst. Ent.*
Lee Seaton, *Asst. Sci. Aid.*
Utah—Salt Lake City (alfalfa weevil and its parasites):
G. I. Reeves, A.B., *Sr. Ent., in charge.*
J. C. Hamlin, M.S., Ph.D., *Ent.*
Ralph Bunn, A.B., *Jr. Ent.*
L. J. Jones, B.S., M.A., *Jr. Ent.*
R. C. Newton, B.S., *Jr. Ent.*
W. C. McDuffie, B.S., *Jr. Ent.*
L. J. Farmer, M.S., *Jr. Ent.*

General Cereal and Forage Insects—Contd.
FIELD LABORATORIES—Continued.
Virginia—Rosslyn (Arlington Expt. Farm; insect vectors of plant diseases, joint worms, white grubs, and corn ear worm):
F. W. Poos, M.A., Ph.D., *Sr. Ent., in charge.*
W. J. Phillips, M.S., Ph.D., *Ent.*
F. F. Dicke, B.S., *Asst. Ent.*
J. W. Scrivener, *Agt.*
Nancy H. Wheeler,* *Asst. Sci. Aid.*

Sugarcane, Corn, and Rice Insects:
FIELD LABORATORIES:
Louisiana:
Crowley (under direction of Sr. Ent. in charge of New Orleans lab.; rice insects):
W. A. Douglas, B.S., *Jr. Ent.*
Houma (under direction of Sr. Ent. in charge of New Orleans lab.; rice insects, soil animalcula):
J. W. Ingram, B.S., *Asst. Ent.*
H. A. Jaynes, B.S., *Assoc. Ent.*
E. K. Bynum, B.S., A.M., *Asst. Ent.*
New Orleans:
T. E. Holloway, B.S., *Sr. Ent., in charge.*
W. E. Haley, *Chief Sci. Aid.*

European Corn Borer:
FIELD LABORATORIES:
France—Hyères, Var (parasites of corn borer):
H. L. Parker, D.Sc., *Ent., in charge.*
H. D. Smith, B.S., *Asst. Ent.*
Massachusetts—Arlington (European corn borer, two-generation phase, and its parasites):
D. W. Jones, B.S., *Ent., in charge.*
C. H. Batchelder, M.S., Ph.D., *Assoc. Ent.*
B. E. Hodgson, B.S., *Assoc. Ent.*
S. M. Dohanian, M.S., *Assoc. Ent.*
A. M. Vance, M.S., *Asst. Ent.*
W. G. Bradley, B.S., *Asst. Ent.*
R. C. Ellis, *Asst. Ent.*
Kenneth A. Bartlett, M.S., *Asst. Ent.*
R. A. Biron, B.S., *Jr. Ent.*
D. D. Questel, B.S., *Jr. Ent.*
Sam. O. Hill, B.S., *Jr. Ent.*
John Coveney, B.S., *Jr. Ent.*
Emory D. Burgess, B.S., *Jr. Ent.*
F. S. Vidler, *Sr. Mech.*
H. J. Cronin, *Sr. Sci. Aid.*
Ohio—Toledo (European corn borer, one-generation phase, and its parasites):
D. J. Caffrey, B.S., *Sr. Ent., in charge.*
K. W. Babcock, B.S., *Ent.*
F. L. Simanton, A.M., *Assoc. Ent.*
W. A. Baker, B.S., *Assoc. Ent.*
L. H. Patch, B.S., *Assoc. Ent.*
L. B. Scott, B.S., *Asst. Ent.*
C. A. Clark, B.S., *Asst. Ent.*
Morris Schlosberg, M. S., *Asst. Ent.*
G. W. Still, B.S., *Asst. Ent.*
C. A. Crooks, B.S., *Jr. Ent.*
L. G. Jones, B.S., *Jr. Ent.*
K. D. Arbuthnot, B.S., *Jr. Ent.*
G. T. Bottger, B.S., *Jr. Ent.*
R. J. Webb, B.S., *Jr. Ent.*
R. F. Mathes, M.S., *Jr. Ent.*
R. T. Everley, B.S., *Jr. Ent.*
B. A. App., A.B., *Jr. Ent.*
E. W. Beck, A.B., *Jr. Ent.*

DIVISION OF COTTON INSECTS

R. W. Harned, B.S.A., *Prin. Ent., in charge.*
U. C. Loftin, M.S., *Sr. Ent.*
FIELD LABORATORIES:
Arizona—Tucson (Thurberia weevil, hemipterous insects of cotton):
T. P. Cassidy, B.S., *Ent., in charge.*
W. A. Stevenson, B.S., *Jr. Ent.*

FIELD LABORATORIES—Continued.
Louisiana—Tallulah (bollweevil, arsenical injury to soils, crickets, and miscellaneous cotton insects):
R. C. Gaines, B.S., *Ent., in charge.*
J. W. Folsom, Sc.B., Sc.D., *Sr. Ent.*
P. M. Gilmer, A.B., Ph.D. *Assoc. Ent.*
G. A. Maloney, *Assoc. Ent.*
M. T. Young, B.S., *Assoc. Ent.*
P. A. Glick, A.B., M.S., *Asst. Ent.*
G. L. Smith, B.S., *Asst. Ent.*
J. C. Clark, B.S., *Jr. Ent.*
C. F. Rainwater, B.S., *Jr. Ent.*
F. H. Tucker, B.S., *Jr. Chem.*
G. L. Garrison, *Sr. Sci. Aid.*
A. L. Scales, *Under Biol. Aid.*
C. H. Billett, *Photographer.*
Mexico—Tlahualilo, Durango (branch of Presidio, Tex., Lab.):
C. S. Rude, M.S., *Asst. Ent.*
Oklahoma—Eufaula (bollweevil):
H. C. Young, B.S., *Jr. Ent., in charge.*
South Carolina—Florence (bollweevil):
F. F. Bondy, B.S., *Asst. Ent., in charge.*
Texas:
Brownsville (cotton perforator, flea hoppers, and miscellaneous cotton insects):
T. C. Barber, B.S., *Asst. Ent., in charge.*
Bryan (bollworm, soil animals in their relation to cotton):
E. W. Dunnam, M.S., Ph.D., Ent., *in charge.*
R. W. Moreland, B.S., *Asst. Ent.*
Port Lavaca (flea hopper):
K. P. Ewing, B.S., *Asst. Ent., in charge.*
R. L. McGarr, B.S., *Jr. Ent.*
Presidio (pink bollworm):
F. A. Fenton, M.S., Ph.D., *Sr. Ent., in charge.*
S. L. Calhoun, B.S., *Jr. Ent.*
A. J. Chapman, B.S., *Jr. Ent.*
L. W. Noble, B.S., *Jr. Ent.*
H. S. Cavitt, B.S., *Agt.*
L. C. Fife, M.S., *Agt.*
J. M. Yeates, B.S., *Agt.*

DIVISION OF INSECTS AFFECTING MAN AND ANIMALS

F. C. Bishopp, M.S., Ph.D., *Prin. Ent., in charge.*
J. L. Webb, M.S., *Assoc. Ent.*
C. N. Smith, B.A., *Sci. Aid.*

Flies in Relation to Osteomyelitis:
Wm. Robinson, M.S., Ph.D., *Sr. Ent.*
S. W. Simmons, B.S., *Jr. Ent.*

Ticks:
F. C. Bishopp, M.S., Ph.D., *Prin. Ent.*
FIELD LABORATORY:
Texas—Brownsville:
H. O. Schroeder, B.A., M.S., *Jr. Ent.*

Mosquitoes:
FIELD LABORATORIES:
Florida—Orlando:
W. V. King, Ph.D., *Sr. Ent., in charge.*
G. H. Bradley, M.S., *Assoc. Ent.*
T. E. McNeel, B.S., *Asst. Ent.*
Oregon—Portland:
H. H. Stage, M.S., *Assoc. Ent., in charge.*
C. M. Gjullin, B.S., *Agt.*

Sand Flies:
FIELD LABORATORIES:
Georgia—Savannah:
W. E. Dove, D.Sc., *Ent., in charge.*
D. G. Hall, M.S., *Asst. Ent.*

Sand Flies—Continued.
FIELD LABORATORIES—Continued.
Florida—Fort Pierce (branch of Savannah, Ga., lab.):
J. B. Hull, B.S., *Jr. Ent.*

Eye Gnats:
FIELD LABORATORY:
California—Coachella:
D. C. Parman, B.S.A., *Assoc. Ent., in charge* (located at Uvalde, Tex.).
R. W. Burgess, M.S., *Asst. Ent.*
G. O. Robertson, *Agt.*

Screw Worm and Blowflies:
FIELD LABORATORIES:
Texas:
Dallas:
E. W. Laake, B.S., Ph.D., *Ent., in charge.*
Menard (branch of Dallas, Tex., lab.):
E. C. Cushing, M.S., *Asst. Ent.*
H. E. Parish, M.S., *Asst. Ent.*
Uvalde:
D. C. Parman, B.S.A., *Assoc. Ent., in charge.*
R. A. Roberts, M.S., *Asst. Ent.*
A. W. Lindquist, M.S., *Jr. Ent.*

Cattle Grubs, Horse Bots, and Other Flies:
FIELD LABORATORY:
Iowa—Ames:
R. W. Wells, B.A., M.S., *Assoc. Ent., in charge.*
W. G. Bruce, M.S., *Asst. Ent.*
E. F. Knipling, M.S., *Jr. Ent.*

Fly Sprays:
FIELD LABORATORY:
Texas—Dallas:
E. W. Laake, B.S., Ph.D., *Ent., in charge.*
Roy Melvin, B.S., Ph.D., *Asst. Ent.*

Insects Affecting Poultry, Birds, and Game:
FIELD LABORATORIES:
Maryland—Takoma Park:
H. S. Peters, M.S., *Asst. Ent.*
Texas—Uvalde:
D. C. Parman, B.S.A., *Assoc. Ent.*

Goat Lice and Sheep Head Bot:
FIELD LABORATORY:
Texas—Sonora:
O. G. Babcock, B.S., *Asst. Ent.*

Buffalo Gnats:
FIELD LABORATORY:
Florida—Orlando (Clarksdale, Miss., seasonally):
G. H. Bradley, M.S., *Assoc. Ent.*

DIVISION OF HOUSEHOLD AND STORED PRODUCT INSECTS

E. A. Back, B.S., Ph.D., *Prin. Ent., in charge.*
R. T. Cotton, M.S., Ph.D., *Sr. Ent.*
Newell E. Good, A.B., M.S., *Asst. Ent.*
H. B. Bradford, *Chief Sci. Illustr.*
Marion T. Van Horn, *Jr. Sci. Aid.*

Forest Products:
T. E. Snyder, M.F., Ph.D., *Sr. Ent.*

Grain Insects:
FIELD LABORATORY:
Georgia—Thomasville:
S. E. McClendon, B.S., *Asst. Ent.*

Flour-Mill Insects:
FIELD LABORATORY:
Missouri—Kansas City:
Geo. B. Wagner, M.S., *Asst. Ent.*

Pea Weevil:
FIELD LABORATORIES:
Idaho—Moscow:
T. A. Brindley, M.S., *Asst. Ent.*
Oregon—Corvallis:
A. O. Larson, M.S., *Ent., in charge.*
F. G. Hinman, B.S., *Jr. Ent.*

Dried-Fruit Insects:
FIELD LABORATORY:
California—Fresno:
Perez Simmons, B.S., *Ent., in charge.*
Dwight F. Barnes, B.S., *Asst. Ent.*
Heber C. Donohoe, M.S., *Asst. Ent.*
C. K. Fisher, B.S., *Asst. Ent.*

Stored-Tobacco Insects:
FIELD LABORATORY:
Virginia—Richmond:
W. D. Reed, B.S., *Assoc. Ent., in charge.*
Erskine B. Livingstone, B.S., *Jr. Ent.*
A. W. Morrill, Jr., B.S., *Jr. Ent.*

Household Insects:
FIELD LABORATORY:
Maryland—Takoma Park:
Wallace Colman, A.B., M.S., *Assoc. Ent.*

DIVISION OF BEE CULTURE

Jas. I. Hambleton, B.S., *Sr. Apicult., in charge.*

Behavior of Bees:
W. J. Nolan, A.M., *Apicult.*

Bee Diseases:
C. E. Burnside, M.S., Ph.D., *Asst. Apicult.*

Beekeeping Regions:
G. E. Marvin, M.S., *Asst. Apicult.*

Intermountain Bee Culture:
FIELD LABORATORY:
Wyoming—Laramie:
A. P. Sturtevant, Ph.D., *Assoc. Apicult., in charge.*
C. L. Farrar, Ph.D., *Assoc. Apicult.*

Southern States Bee Culture:
FIELD LABORATORY:
Louisiana—Baton Rouge:
Warren Whitcomb, Jr., M.S., Ph.D., *Asst. Apicult., in charge.*
Everett Oertel, B.S., Ph.D., *Asst. Apicult.*

Pacific Coast Bee Culture:
FIELD LABORATORY:
California—Davis:
E. L. Sechrist, B.A., *Assoc. Apicult., in charge.*
Frank E. Todd, B.S., *Assoc. Apicult.*
Geo. H. Vansell, M.A., *Assoc. Apicult.*

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Irene L. Bartlett, B.S., *Jr. Ent.*
Catherine Ford, B.S., *Jr. Ent.*
Kathleen McClure, B.S., *Jr. Ent.*
Louise M. Russell, M.S., *Jr. Ent.*
W. F. Tastet, *Prin. Sci. Aid.*
Eleanor A. Carlin,* *Sr. Sci. Aid.*
Marjorie H. Ellis, B.A., *Sr. Sci. Aid.*
Ida Weckerly, A.B., *Sr. Sci. Aid.*
Edna E. Sellens, *Jr. Sci. Aid.*
Fern R. Bell, A.B., *Under Sci. Helper.*
Janet A. Breeden,* *Under Sci. Helper.*

Nettie E. Crocker,* *Under Sci. Helper.*
Marjorie Ross Jones, A.B., *Under Sci. Helper.*
Nellie D. McConnell,* *Under Sci. Helper.*
Eunice Myers, *Under Sci. Helper.*
Helen A. Schuoler, B.S., *Under Sci. Helper.*
Penelope B. Smallwood,* *Under Sci. Helper.*

Coleoptera:
A. G. Böving, M.S., Ph.D., *Sr. Ent.*
H. S. Barber, *Assoc. Ent.*
L. L. Buchanan, B.A., *Assoc. Ent.*
E. A. Chapin, M.S., Ph.D., *Assoc. Ent.*
W. S. Fisher, *Assoc. Ent.*

Lepidoptera:
Wm. Schaus, M.A., D.Sc., *Ent.*
Carl Heinrich, *Ent.*
F. H. Benjamin, B.S., M.A., *Assoc. Ent.*
August Busck, *Assoc. Ent.*

Diptera:
C. T. Greene, B.S., *Assoc. Ent.*
Alan Stone, Ph.D., *Assoc. Ent.*

Hymenoptera:
A. B. Gahan, M.S., *Sr. Ent.*
C. F. W. Muesebeck, B.S., *Sr. Ent.*
R. A. Cushman, *Ent.*
Grace A. Sandhouse, A.M., *Asst. Ent.*

Orthoptera and Neuroptera:
A. N. Caudell, M.S., *Ent.*

Ectoparasites and Mites:
H. E. Ewing, M.A., Ph.D., *Ent.*

Hemiptera:
H. G. Barber, M.A., *Assoc. Ent.*
P. W. Oman, A.B., *Jr. Ent.*

Aphiidae:
P. W. Mason, M.S., Ph.D., *Assoc. Ent.*

Coccidae:
Harold Morrison, A.M., Sc.D., *Sr. Ent.*
Grace E. Glance, B.S., *Jr. Ent.*

DIVISION OF INSECT PHYSIOLOGY AND TOXICOLOGY

(Hdqrs., Takoma Park, Md.)

F. L. Campbell, M.S., D.Sc., *Ent., in charge.*

FIELD LABORATORY:
Maryland—Takoma Park:
N. E. McIndoo, A.M., Ph.D., *Sr. Ent.*
D. E. Fink, M.S., Ph.D., *Ent.*
J. W. Bulger, M.A., Ph.D., *Assoc. Ent.*
M. C. Swingle, M.S., *Asst. Ent.*
W. N. Sullivan, B.S., *Jr. Ent.*
Abby Holdridge, *Asst. Sci. Aid.*

DIVISION OF INSECT PEST SURVEY

J. A. Hyslop, M.S., *Sr. Ent., in charge.*
M. P. Jones, M.S., *Ent.*
P. D. Sanders, M.S., *Ent.*
Gertrude M. Myers, *Sr. Sci. Aid.*

DIVISION OF BIOCLIMATICS

West Virginia—Mineral Wells (hdqrs.):
A. D. Hopkins, Ph.D., *Collab., in charge.*
M. A. Murray, *Sr. Sci. Aid.*

DIVISION OF INSECT PATHOLOGY

G. F. White, Ph.D., M.D., *Sr. Path.*

DIVISION OF INSECT MORPHOLOGY

R. E. Snodgrass, A.B., *Sr. Ent.*

DIVISION OF EXCHANGE OF USEFUL INSECTS

C. P. Clausen, M.S., *Sr. Ent., in charge.*
FIELD LABORATORY:
Japan—Yokohama:
G. J. Haeussler, B.S., *Asst. Ent., in charge.*

FOOD AND DRUG ADMINISTRATION

W. G. Campbell, A.B., LL.B., *Chief.*
P. B. Dunbar, M.S., Ph.D., *Asst. Chief.*
F. B. Linton, *Asst. to Chief.*
S. R. Barber, B.S., *Inf. Spec.*
L. M. Clarke, *Chief Clerk.*
Mary T. Read,* *Ed.*
Vivian Robb, B.A., *Jr. Lib.*

INTERSTATE DIVISION

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L. D. Elliott, Ph.D., *Sr. Chem.*
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FOOD CONTROL DIVISION

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H. J. Wichmann, A.M., *Chem.*
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Dan Dahle, Ch.E., *Asst. Chem.*
J. T. Keister, M.S., Phar. D., *Asst. Chem.*
J. I. Palmore, M.S., *Asst. Chem.*
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Bacterological Section:
A. C. Hunter, M.S., Ph.D., *Sr. Bact.*
B. A. Linden, *Asst. Bact.*
Roy Schneiter, M.S., *Jr. Bact.*
G. G. Slocum, B.A., M.S., *Jr. Bact.*
L. W. Strasburger, B.S., *Jr. Bact.*
Morris Ostrolenk, B.S., *Jr. Bact.*

Cereal Section:
G. L. Bidwell, B.S., *Chem.*
V. E. Munsey, B.S., *Asst. Chem.*
Gordon Smith, B.S., *Jr. Chem.*

Water and Beverage Section:
J. W. Sale, A.M., *Sr. Chem.*
J. B. Wilson, A.B., *Assoc. Chem.*

Water and Beverage Section—Continued.
C. H. Badger, B.S., *Asst. Chem.*
Anna E. Mix, Phar.D., *Jr. Chem.*
W. O. Winkler, B.S., *Jr. Chem.*

COLOR CERTIFICATION SECTION

H. T. Herrick, A.B., Ch.E., *Prin. Chem., in charge.*
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S. S. Forrest, B.S., *Jr. Chem.*
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F. J. Cullen, Ph.G., M.D., *Chief.*

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L. E. Warren, Ph.C., B.S., *Sr. Chem.*
H. Wales, Jr., M.A., Ph.D., *Chem.*
H. R. Watkins, A.B., M.S., *Chem.*

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V. S. McDaniel, B.S., M.D., *Med. Off.*
N. O. Tribble, M.D., *Med. Off.*
C. E. Holton, M.D., *Assoc. Med. Off.*

Pharmacology Section:
W. T. McClosky, A.B., *Sr. Pharmacol.*
H. T. Lightbody, M.S., Ph.D., *Pharmacol.*
Ewald Witt, *Asst. Pharmacol.*
P. E. Tullar, A.B., *Jr. Pharmacol.*

Special Collaborative Investigations Section:
F. W. Norris, A.B., M.D., *Med. Off.*
C. D. Wright, A.M., Ph.D., *Assoc. Chem.*
F. W. Casey, Ph.C., B.S., *Asst. Chem.*

Veterinary Section:
H. E. Moskey, V.M.D., *Vet.*
Geo. Smith, Jr., D.V.M., *Assoc. Vet.*
O. J. Mayfield, D.V.M., *Jr. Vet. San.*

Vitamin Section:
Reed Walker, A.B., *Assoc. Chem.*
F. W. Irish, B.S., *Jr. Chem.*

MICROANALYTICAL DIVISION

B. J. Howard, B.S., *Prin. Micros., in charge.*
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J. D. Wildman, A.M., *Asst. Microan.*
W. S. Greene, M.S., *Jr. Microan.*
F. A. Hodges, M.S., Ph.D., *Jr. Microan.*

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C. C. McDonnell, Sc.D., *Prin. Chem., in charge.*

Chemical and Bacteriological Section:
W. D. Lynch, B.S., LL.B., *Sr. Chem.*
J. J. T. Graham, M.S., *Sr. Chem.*
E. L. Griffin, A.B., M.S., Ph.D., *Sr. Chem.*
G. L. A. Ruehle, M.S., *Sr. Bact.*
H. H. Custis, A.M., Ph.D., *Chem.*
C. M. Brewer, M.S., *Assoc. Bact.*
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A. C. Nothstine, B.S., *Assoc. Chem.*
C. G. Donovan, B.S., *Asst. Chem.*
F. A. Spurr, M.S., *Asst. Chem.*
Jack Henry, B.S., *Jr. Chem.*

Entomological Section:
FIELD HEADQUARTERS:
Maryland—Silver Spring:
W. S. Abbott, B.S., *Sr. Ent.*
W. M. Davidson, B.S., *Assoc. Ent.*
G. D. Reynolds, B.S., *Asst. Ent.*
S. C. Billings, B.S., *Jr. Ent.*
New Jersey—Haddon Heights:
L. J. Bottimer, B.S., *Asst. Ent.*

Plant Pathological Section:
E. Wallace, M.S.A., Ph.D., *Sr. Path.*
F. P. Schlatter, B.S., *Path.*
FIELD HEADQUARTERS:
New Jersey—Haddon Heights:
D. P. Perry, B.S., *Assoc. Path.*
Oregon—Corvallis:
F. D. Bailey, A.M., *Assoc. Path.*
G. C. Roe, A.B., M.S., *Assoc. Zool.*
Employed cooperatively in B.A.I.

NAVAL STORES DIVISION

F. P. Veitch, Sc.D., *Prin. Chem., in charge.*
V. E. Grotlisch, Ch.E., *Naval Stores Classifier.*
B. A. Brice, M.A., Ph.D., *Assoc. Phys.*

FIELD HEADQUARTERS:
Alabama—Mobile:
S. W. Pickens, *Asst. Naval Stores Classifier.*
Georgia—Savannah:
H. M. King, *Assoc. Naval Stores Classifier.*
Georgia—Waycross:
F. W. Thomas, *Asst. Naval Stores Classifier.*
Mississippi—Gulfport:
R. L. Helveston, *Asst. Naval Stores Classifier.*
New York—New York:
C. E. Smith, *Assoc. Naval Stores Classifier.*
Texas—Houston:
G. A. Berry, *Asst. Naval Stores Classifier.*

FIELD INSPECTION SERVICE

Eastern District (Hdqrs., New York, N.Y.):
W. R. M. Wharton, A.B., A.M., *Chief of Dist.*
C. O. Dodge, B.S., *Asst. Chief.*
C. A. Herrmann, A.B., *Chem.*

STATIONS:
Georgia—Savannah:
J. J. McManus, Phar.D., *Chief of Sta.*
W. C. Woodfin, B.S., *Asst. Chem.*
J. B. Snider, A.B., *Jr. Chem.*
W. H. Simms, B.S., *Sr. Insp.*
L. A. Smith, Phar.D., *Chief Insp.*
F. B. McAuliffe, *Insp.*
Maryland—Baltimore:
D. M. Walsh, B.S., A.M., *Chief of Sta.*
T. F. Pappe, A.B., *Chem.*
F. L. Elliott, B.S., *Assoc. Chem.*
E. H. Grant, B.S., *Assoc. Chem.*
H. I. Macomber, B.S., *Asst. Chem.*
C. F. Bruening, B.S., *Jr. Chem.*
D. C. Grove, B.S., *Jr. Chem.*
R. L. Herd, M.S., *Jr. Chem.*
E. M. Hoshall, B.Sc., *Jr. Chem. Engr.*
J. F. Earnshaw, *Assoc. Insp.*
L. L. Judge, *Sr. Insp.*
B. R. Minshall, Phar.D., *Sr. Insp.*
H. P. Cragin, B.Ch.E., *Insp.*
T. R. Ennis, *Insp.*
Massachusetts—Boston:
G. H. Adams, Phar.G., *Chief of Sta.*
R. L. Horst, A.B., M.S., *Assoc. Chem.*
H. W. Haynes, B.S., *Asst. Chem.*
C. H. Hickey, B.S., *Asst. Chem.*
H. F. Smyser, B.S., *Jr. Chem.*
C. C. Sullivan, B.S., *Chief Insp.*
F. T. Bestwick, *Sr. Insp.*
C. A. Wood, *Sr. Insp.*
J. S. Faries, A.B., *Jr. Insp.*
A. E. Ledder, B.S., *Jr. Insp.*
E. C. Griswold, *Tea Exam.*
New York:
Buffalo:
F. L. Wollard, *Chief of Sta.*
W. H. Heath, B.S., *Chem.*
L. W. Ferris, A.B., *Assoc. Chem.*

Eastern District—Continued.
STATIONS—Continued.
New York—Continued.
Buffalo—Continued.
D. W. McLaren, M.S., *Asst. Chem.*
W. C. Miller, *Sr. Insp.*
J. T. Cain, A.B., *Insp.*
J. K. Kirk, B.S., *Jr. Insp.*
M. O. Rentz, B.S., *Jr. Insp.*
New York:
Joseph Callaway, Jr., M.S., *Chief of Sta.*
J. A. Cummings, A.B., *Chem.*
H. D. Grigsby, B.S., *Chem.*
G. C. Swan, A.M., *Chem.*
H. B. Switzer, B.S., *Bact.*
E. L. Anderson, A.B., *Assoc. Chem.*
J. C. Bubb, A.B., *Assoc. Chem.*
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Erosion:
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B. A. Hendricks, B.S., *Assoc. Range Exam.*
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Range Research:
George Stewart, Ph.D., *Sr. For. Ecol.*
G. D. Pickford, B.S., *Asst. Silv.*
E. W. Nelson, B.S., A.M., *Asst. Range Exam.*
Selar S. Hutchings, A.B., M.S., *Jr. Range Exam.*
Raymond Price, B.S., *Jr. Range Exam.*
Erosion:
G. W. Craddock, Jr., B.S., M.F., *Assoc. Range Exam.*
Milo H. Deming, B.S., *Asst. Range Exam.*
Kenneth Pearse, M.S., *Jr. Range Exam.*
Silviculture:
C. A. Connaughton, B S., *Jr. For.*
E. L. Mowat, B.S., M.F., *Jr. For.*

FOREST PRODUCTS LABORATORY, MADISON, WIS.

Carlile P. Winslow, Ph.B., *Dir.*
L. F. Hawley, Ph.D., *Prin. Chem.*
H. D. Tiemann, M.E., M.F., *Sr. Phys.*
Publication of Results:
E. F. White, M.F., *Sr. For., in charge.*
W. W. Weber, M.S.F., *For. Asst.*
D. G. Coleman, A.B., *Sr. Tech. Reviewer.*
F. J. Champion, *Asst. Tech. Writer.*
T. J. Mosley, M.A., *Sr. Tech. Reviewer.*
Derived Products:
E. C. Sherrard, Ph.D., *Prin. Chem., in charge.*
E. Bateman, Ph.B., *Sr. Chem.*
R. H. Baechler, Ph.D., *Asst. Chem.*
E. Beglinger, *Jr. Chem.*
E. E. Harris, Ph.D., *Assoc. Chem.*
J. P. Hohf, A.B., *Jr. Chem.*
E. F. Kurth, Ph.D., *Jr. Chem.*
R. L. Mitchell, Ph.D., *Jr. Chem.*
G. J. Ritter, Ph.D., *Chem.*
R. M. Seborg, B.S., *Jr. Chem.*
A. J. Stamm, Ph.D., *Chem.*
Pulp and Paper:
C. E. Curran, Ph.D., *Prin. Chem., in charge.*
P. K. Baird, M.A., *Sr. Chem.*
P. S. Billington, A.B., *Jr. Chem.*
M. W. Bray, M.S., *Chem.*
G. H. Chidester, B.S., *Assoc. Engr.*
W. A. Chilson, B.Ch.E., *Engr.*
R. H. Doughty, M.S., *Asst. Engr.*
M. Heinig, M.A., *Jr. Chem.*
C. C. Heritage, B.S., *Prin. Engr., consultant.*
C. E. Hrubesky, M.S., *Asst. Chem.*
E. L. Keller, B.S., *Jr. Chem.*
J. S. Martin, B.S., *Asst. Engr.*
J. N. McGovern, M.S., *Jr. Tech.*
J. C. Pew, M.S., *Asst. Engr.*
E. R. Schafer, B.S., *Assoc. Engr.*
S. L. Schwartz, B.S., *Jr. Engr.*
C. O. Seborg, B.S., *Jr. Chem.*
F. A. Simmonds, B.S., *Assoc. Chem.*
Timber Mechanics:
J. A. Newlin, B.S., *Prin. Engr., in charge.*
L. J. Markwardt, C.E., *Sr. Engr., assistant.*
T. A. Carlson, M.S., *Assoc. Engr.*
J. M. Gahagan, *Asst. Engr.*
G. E. Heck, M.S., *Engr.*
R. F. Luxford, C.E., *Assoc. Engr.*
H. W. March, Ph.D., *Con. Spec. Math.*
C. A. Plaskett, C.E., *Sr. Engr.*
R. J. Roark, M.S., *Sr. Engr., consultant.*
J. A. Scholten, B.S., *Jr. Agr. Engr.*
G. W. Trayer, C.E., *Sr. Engr.*
T. R. C. Wilson, C.E., *Sr. Engr.*
Timber Physics:
Rolf Thelen, B.S., *Prin. Engr., in charge.*
J. S. Mathewson, M.E., *Sr. Engr., assistant.*
M. E. Dunlap, B.S., *Sr. Engr.*
W. K. Loughborough, *Engr.*
E. C. Peck, M.F., *Assoc. Wood Technol.*
R. C. Rietz, B.A., *Asst. Engr.*
L. V. Teesdale, *Sr. Engr.*
O. W. Torgeson, B.S., *Assoc. Engr.*
Silvicultural Relations:
Arthur Koehler, M.S., *Prin. Xylotomist, in charge.*
Eloise Gerry, Ph.D., *Sr. Micros.*
B. H. Paul, M.F., *Silv.*
R. O. Marts, M.S., *Asst. Phys. Plant Anatomist.*
M. Y. Pillow, B.S., *Asst. Wood Technol.*
Gertrude Griffin, *Jr. Xylotomist.*
J. Alfred Hall, M.S., *Biochem.*
Wood Preservation:
George M. Hunt, B.S., *Prin. Chem., in charge.*
T. R. Truax, M.S., *Sr. Wood Technol., asst.*
D. Brouse, Ph.D., *Asst. Engr.*
F. L. Browne, Ph.D., *Sr. Chem.*
L. E. Downs, M.S., *Asst. Engr.*
C. A. Harrison, *Jr. Engr.*
J. D. MacLean, Ph.D., *Sr. Engr.*
R. M. Wirka, M.E., *Assoc. Engr.*
Industrial Investigations:
C. V. Sweet, M.F., *Prin. Engr., in charge.*
R. D. Garver, M.F., *Sr. For., asst.*

Industrial Investigations—Continued.
A. O. Benson, B.S., *Wood Technol.*
J. B. Cuno, M.F., *Assoc. Wood Technol.*
E. M. Davis, M.F., *Wood. Technol.*
R. P. A. Johnson, M.S., *Eng.*
R. Miller, B.S., *Assoc. Engr.*
G. C. Morbeck, M.F., *Assoc. Wood Technol.*
C. J. Telford, M.F., *Exten. For.*
Pathology (in coop. with Bur. of Pl. Ind.):
C. Audrey Richards, Ph.D., *Path., in charge.*
Caroline T. Rumbold, Ph.D., *Assoc. Path.*
Mae Spradling, M.Ph., *Asst. Sci. Aid.*
Laboratory Operation:
A. L. Heim, B.S., *Sr. Engr., in charge.*
C. P. Juckem, *Sr. Admin. Asst., asst.*
J. A. White, *Phonographer.*
Ellen A. Hoffman, *Chief Libr. Asst.*
B. L. Nelson, B.A., *Assoc. Engr.*
Finance and Accounts:
W. E. Thompson, A.B., *Fiscal Agt., in charge.*
S. H. Busch, LL.B., *Dep. Fiscal Agt.*

BRANCH OF ENGINEERING

T. W. Norcross, B.S., (C.E.), *Chief Engr., in charge.*
G. H. Lautz, B.S. (C.E.), *Asst. Chief Engr.*
Jack B. Haile, B.S. (C.E.), *Engr.*
Howard R. Jones, B.S. (C.E.), *Assoc. Engr.*

Maps and Surveys:
G. H. Lautz, B.S. (C.E.), *Asst. Chief Engr., in charge.*
Howard R. Jones, B.S. (C.E.), *Assoc. Engr., in charge of Surveys.*
Helen B. Smith, *Asst. and in charge of Map Reproductions.*
J. M. Witherow, *Chief Drft.*
E. S. Shipp, *Chief Photographer.*
G. B. Bruce, *in charge of Atlas records.*

Roads:
T. W. Norcross, B.S. (C.E.), *Chief Engr.*
G. H. Lautz, B.S. (C.E.), *Asst. Chief Engr.*
Jack B. Haile, B.S. (C.E.), *Asst. Engr.*

Water Power:
T. W. Norcross, B.S. (C.E.), *Chief Engr.*

BRANCH OF PUBLIC RELATIONS

Fred Morrell, B.S., M.F., *Asst. For., in charge.*

Special Assignments:
Herbert A. Smith, Ph.D., *Asst. For.*

Cooperation with Timberland Owners:
Austin Cary, M.A., Sc.D., *Log. Engr.*

Division of State Cooperation:
A. B. Hastings, A.B., M.F., *For. Insp., in charge.*
Catherine M. O'Donnell, LL.B., *Law Compiler.*
C. R. Tillotson, B.S., *Dist. For. Insp.*
G. T. Backus, F.E., *Dist. For. Insp.*
C. F. Evans, B.A., M.F., *Dist. For. Insp.*
H. B. Eberly, B.S., *Dist. For. Insp.*
E. M. Bruner, M.A., M.F., *Dist. For. Insp.*
H. N. Wheeler, M.A., Sc.D., *Lecturer.*

Farm Forestry:
W. R. Mattoon, A.B., M.F., *Ext. For.*

Division of Information:
George A. Duthie, A.B., M.S.F., *For. Insp., in charge.*
C. E. Randall, M.A., *Ed. in charge of Educational Coop.*

Division of Information—Continued.
Roy E. Miller, B.J., *Press. Infor.*
D. Priscilla Edgerton, *Asst. Ed.*
Beryl G. Gardner, *Asst. Ed.*
Marie F. Heisley,* *Asst. in Infor.*
Bernice M. Geddes, *Asst. in Infor.*
C. M. Ballard, *Chief of Pub.*
H. R. Kylie, *in charge of Visual Education.*

REGION 1.—Northern Region

Montana, northeastern Washington, northern Idaho, and northwestern South Dakota (hdqrs., Missoula, Mont.):
Evan W. Kelley, *Reg. For.*

Public Relations:
Richard F. Hammatt, B.S.F., *Asst. Reg. For.*
K. D. Swan, B.S., M.F., *Asst. Reg. For. Insp.*

Finance and Accounts:
O. M. Wold, *Reg. Fiscal Agt.*
L. Beaman, *Dep. Reg. Fiscal Agt.*

Operation:
L. C. Stockdale, *Asst. Reg. For.*
G. I. Porter, *Admin. Asst.*
W. P. Hillman, *Admin. Asst.*
Fire Protection:
Howard R. Flint, *Insp.*
Frank J. Jefferson, *Insp.*
T. E. Rowland, B.S., *fire studies.*
Transportation Study:
H. R. Richards, B.S., *Tech. Asst.*
Improvements:
C. P. Fickes, *Insp.*
Law Enforcement:
P. J. O'Brien, LL.B., *Insp.*
Training:
Wilfred W. White, M.S., M.S.F., *Insp.*
Administrative Studies:
John B. Taylor, A.B., M.F., *Insp.*
State Cooperative Fire Protection under Clarke-McNary Act:
C. K. McHarg, Ph.B., M.F., *Insp.*
Maintenance:
O. C. Bradeen, *Purchasing Agt. in charge.*

Forest Management:
Elers Koch, B.S., M.F., *Asst. Reg. For.*
Logging Engineering:
Phillip Neff, *Dist. Log. Engr.*
Planting (Haugan, Mont.):
D. S. Olson, *in charge.*
Wm. B. Apgar, B.S., M.F., *in charge, Savenac Nursery.*
Forest Insect Investigations (Coeur d'Alene, Idaho):
J. C. Evenden, *Ent.*

Range Management:
Glen A. Smith, *Asst. Reg. For.*
Thomas Lommasson, B.S.F., *Admin. Asst.*
Wm. M. Rush, *game studies.*
E. A. Schilling, B.S., *Chief of Party.*

Lands:
M. H. Wolff, Ph.B., M.F., *Asst. Reg. For.*
Land Exchange and Acquisitions:
H. G. Ade, B.S.F., *Insp.*
F. K. Stewart, *Chief Surv.*

Engineering:
F. E. Thieme, B.S. (C.E.), *Reg. Engr.*
Maps and Surveys:
J. B. Yule, *Asst. Reg. Engr.*
Frank J. Cool, *Chief Drft.*
Roads:
H. A. Calkins, *Asst. Reg. Engr.*
Richard P. Hilleary, *Chief Surv.*
George W. Duncan, *Supt. Const.*
W. P. Stephenson, *Chief Surv.*

Water Power:
Harold Townsend, *Chief Surv.*

National Forests:
Idaho:
Cleawater (hdqrs., Orofino, Idaho):
Eldon H. Myrick, *Supvr.*
Paul H. Gerrard, B.S.F., *Asst. Supvr.*
L. F. Jefferson, *Asst. Supvr.*
J. N. Diehl, B.S.F., *Ranger.*
E. J. Jost, B.S.F., *Ranger.*
R. E. Tennant, B.S.F., *Ranger.*
Coeur d'Alene (hdqrs., Coeur d'Alene, Idaho):
Charles D. Simpson, B.S., *Supvr.*
S. C. Sanderson, *Asst. Supvr.*
Howard Drake, *Log. Engr.*
H. H. Gurley, B.S.F., *Tech. Asst.*
George C. Earle, *Chief Lumberman.*
Nezperce (hdqrs., Grangeville, Idaho):
R. A. Phillips, *Supvr.*
Guy M. Brandborg, *Asst. Supvr.*
Pend Oreille (hdqrs., Sandpoint, Idaho):
J. E. Ryan, *Supvr.*
A. N. Cochrell, *Asst. Supvr.*
Thomas Crossley, *Chief Lumberman.*
Selway (hdqrs., Kooskia, Idaho):
J. F. Brooks, B.S.F., *Supvr.*
Chas. A. MacGregor, *Asst. Supvr.*
K. A. Klehm, *Log. Engr.*
St. Joe (hdqrs., St. Maries, Idaho):
Ray R. Fitting, *Supvr.*
Frank Foltz, B.S.F., *Asst. Supvr.*
N. B. Fullerton, B.S., *Ranger.*
Montana:
Absaroka (hdqrs., Livingston, Mont.):
G. E. Martin, *Supvr.*
A. Cramer, B.S., *Tech. Asst.*
C. B. Rubottom, B.S., *Ranger.*
Beaverhead (hdqrs., Dillon, Mont.):
Alva A. Simpson, *Supvr.*
Earl D. Sandvig, B.S., *Asst. Supvr.*
R. J. Bowers, B.S.F., *Ranger.*
H. E. Schwan, B.S., *Ranger.*
Bitterroot (hdqrs., Hamilton, Mont.):
John W. Lowell, *Supvr.*
Clarence Spaulding, B.S., *Ranger.*
Blackfeet (hdqrs., Kalispell, Mont.):
W. M. Nagel, B.S.F., *Supvr.*
Ralph S. Space, B.S.F., *Ranger.*
Cabinet (hdqrs., Thompson Falls, Mont.):
Arthur H. Abbott, *Supvr.*
J. H. Bosworth, *Asst. Supvr.*
Custer (hdqrs., Billings, Mont.):
Walter J. Derrick, *Supvr.*
R. E. Fields, B.S., *Asst. Supvr.*
Deerlodge (hdqrs., Butte, Mont.):
R. Trevor Ferguson, B.S., *Supvr.*
J. T. Marsh, B.S.F., *Ranger.*
Barry Park, B.S., *Ranger.*
Flathead (hdqrs., Kalispell, Mont.):
Kenneth Wolfe, B.S., *Supvr.*
C. D. Blake, *Asst. Supvr.*
Gallatin (hdqrs., Bozeman, Mont.):
J. C. Whitham, B.S.F., *Supvr.*
C. B. Swim, *Asst. Supvr.*
W. E. Fry, B.S.F., *Ranger.*
Helena (hdqrs., Helena, Mont.):
J. N. Templer, *Supvr.*
H. H. Hendron, B.S.F., *Tech. Asst.*
Kootenai (hdqrs., Libby Mont.):
Clyde S. Webb, *Supvr.*
Justin K. Dwinelle, *Asst. Supvr.*
R. W. Billings, B.S.F., *Tech. Asst.*
Lewis & Clark hdqrs., Great Falls, Mont.):
Wilford B. Willey, B.S.F., M.F., *Supvr.*
Adolph Weholt, *Asst. Supvr.*
K. D. Flock, B.S., *Tech. Asst.*
Lolo (hdqrs., Missoula, Mont.):
Theo. Shoemaker, *Supvr.*
J. C. Urquhart, *Asst. Supvr.*
S. M. Lukens, B.S.F., *Ranger.*
E. C. Tennant, B.S.F., *Ranger.*
R. L. Space, B.S., M.E., *Ranger.*

REGION 2.—Rocky Mountain Region

Colorado, Wyoming, South Dakota, Nebraska, and western Oklahoma (hdqrs., Denver, Colo.).
Allen S. Peck, Ph.B., M.S., *Reg. For.*

Law.
W. J. Ise, LL.M., *Reg. Law Off.*

Lands and Public Relations:
John W. Spencer, B.A., M.F., *Asst. Reg. For.*
Fred. R. Johnson, B.S., M.F., *Reg. For. Insp.*
T. M. Moorman, LL.B., *Admin. Asst.*

Finance and Accounts:
Joel I. Buckner, *Reg. Fiscal Agt.*
V. W. Campbell, *Dep. Reg. Fiscal Agt.*

Operation:
C. J. Stahl, *Asst. Reg. For.*
Ress Philips, *Reg. For. Insp.*
Riley Cass, Jr., *Chief Surv.*
James P. Reddick, *Chief Surv.*
Thomas J. Watkins, *Supt. Road Const.*
M. R. Kennedy, *Purchasing Agt.*

Forest Management:
M. W. Thompson, B.S., M.F., *Asst. Reg. For.*
H. D. Cochran, A.B., B.S.F., *Reg. For. Insp.*
J. A. Donery, *Log. Engr.*
Jay Higgins, B.S.F., *Tech. Asst.*

Range Management:
John H. Hatton, B.S., *Asst. Reg. For.*
Lynn H. Douglas, B.S.A., *Admin. Asst.*
C. A. Kutzleb, *Tech. Asst.*

Engineering:
J. L. Brownlee, C.E., Ch.E., M.E., *Reg. Engr.*
F. E. Washburn, *Chief Drft.*

National Forests:
Colorado:
Arapaho (hdqrs., Hot Sulphur Springs, Colo.):
Donald E. Clark, B.S., *Supvr.*
Cochetopa (hdqrs., Salida, Colo.):
Charles B. Mack, *Supvr.*
Wm. B. Fay, *Asst. Supvr.*
Grand Mesa (hdqrs., Grand Junction, Colo.):
Ray Peck, *Supvr.*
Gunnison (hdqrs., Gunnison, Colo.):
J. V. Leighou, B.S.F., *Supvr.*
Ray R. Clarke, *Asst. Supvr.*
D. W. Shaw, B.S.F., *Tech. Asst.*
C. E. Oakley, B.S.F., *Tech. Asst.*
Holy Cross (hdqrs., Glenwood Springs, Colo.):
Harold L. Borden, B.S.F., *Supvr.*
E. A. Snow, B.S., *Tech. Asst.*
Montezuma (hdqrs., Mancos, Colo.):
A. F. Hoffman, B.S.F., *Supvr.*
W. L. Schipull, B.S.F., *Tech. Asst.*
Pike (hdqrs., Colorado Springs, Colo.):
E. S. Keithley, *Supvr.*
H. D. Petheram, *Tech. Asst.*
Ralph R. Hill, B.S., M.F., *Tech. Asst.*
W. H. Schrader, *Nurseryman.*
Rio Grande (hdqrs., Monte Vista, Colo.):
R. E. Clark, Ph.B., M.F., *Supvr.*
P. L. Ginter, B.S., *Tech. Asst.*
Roosevelt (hdqrs., Fort Collins, Colo.):
Wm. R. Kreutzer, LL.B., *Supvr.*
C. L. Van Giesen, B.S., M.F., *Tech. Asst.*
Routt (hdqrs., Steamboat Springs, Colo.):
P. V. Woodhead, *Supvr.*
Charles R. Towne, B.S.F., *Tech. Asst.*

National Forests—Continued.
Colorado—Continued.
San Isabel (hdqrs., Pueblo, Colo.):
H. Earl French, B.S., M.F., *Supvr.*
Fritz J. Poch, B.S.F., *Tech. Asst.*
San Juan (hdqrs., Durango, Colo.):
Andrew Hutton, B.S.F., *Supvr.*
Edward Wright, *Asst. Supvr.*
Uncompahgre (hdqrs., Delta, Colo.):
J. S. Veeder, *Supvr.*
W. L. Robb, B.S., *Tech. Asst.*
White River (hdqrs., Glenwood Springs, Colo.):
Lewis R. Rist, *Supvr.*
Eldred R. Ware, B.S.F., *Tech. Asst.*
Nebraska:
Nebraska (hdqrs., Halsey, Nebraska):
Arthur L. Nelson, B.S.F., *Supvr.*
Victor J. Dayharsh, B.S., *Nurseryman.*
Oklahoma:
Wichita (hdqrs., Cache, Okla.):
Harry H. French, *Supvr.*
South Dakota:
Black Hills (hdqrs., Deadwood, S.Dak.):
Theodore Krueger, *Supvr.*
Galen W. Pike, B.S.F., M.F., *Tech. Asst.*
Harney (hdqrs., Custer, S.Dak.):
James F. Conner, *Supvr.*
John H. Sieker, B.S., M.F., *Tech. Asst.*
Wyoming:
Bighorn (hdqrs., Sheridan, Wyo.):
Fred B. Agee, *Supvr.*
Fred Stell, B.S.F., *Tech. Asst.*
Medicine Bow (hdqrs., Laramie, Wyo.):
Huber C. Hilton, M.S., *Supvr.*
Fred H. Miller, B.S.F., *Tech. Asst.*
Shoshone (hdqrs., Cody, Wyo.):
J. N. Langworthy, *Supvr.*
Washakie (hdqrs., Lander, Wyo.):
W. J. Pearce, *Supvr.*

REGION 3.—Southwestern Region

Arizona and New Mexico (hdqrs., Albuquerque, N.Mex.).
Frank C. W. Pooler, *Reg. For.*

Law:
E. S. French, LL.B., M.P.L., *Reg. Law. Off.*

Finance and Accounts:
Albert Morris, *Reg. Fiscal Agt.*
P. H. Harley, *Dep. Fiscal Agt.*

Operation:
H. G. Calkins, B.S., *Asst. Reg. For.*
James F. Mullen, *Reg. For. Insp.*
Stanley F. Wilson, A.B., M.F., *Reg. For. Insp.*
Edward P. Ancona, B.S.F., *Sr. Admin. Asst. (maintenance).*

Forest Management:
Quincy Randles, B.S., M.S.F., *Asst. Reg. For.*
D. M. Lang, *Log. Engr.*
W. H. Long, A.M., Ph.D., *Consult. Path. (Bur. of Pl. Ind.).*

Range Management:
John Kerr, *Asst. Reg. For.*
David A. Shoemaker, *Range Exam.*
W. G. Koogler, *Asst. Range Exam.*
M. E. Musgrave, *Game Specialist.*

Lands:
M. M. Cheney, LL.B., *Asst. Reg. For.*
L. J. C. Arnold, A.B., *Sr. For. Ranger.*

Engineering:
C. A. Long, C.E., *Reg. Engr.*
R. L. Hughes, *Asst. Reg. Engr. (roads).*

Public Relations:
John D. Jones, A.B., J.D., *Asst. Reg. For.*

National Forests:
Arizona:
Apache (hdqrs., Springerville, Ariz.):
Ralph W. Hussey, B.S., *Supvr.*
R. B. Ewing, *Asst. Supvr.*
Willard F. Bond, B.S., M.F., *Sr. For. Ranger.*
Coconino (hdqrs., Flagstaff, Ariz.):
E. G. Miller, A.B., *Supvr.*
Robt. M. Munro, *Asst. Supvr.*
Fred Merkle, *Log Engr.*
Arthur B. Yong, E.M., *Supt. of Road Const.*
Robt. F. Rhinehart, *Sr. Lumberman.*
Eastburn R. Smith, A.B., M.F., *Sr. For. Ranger.*
Lloyd A. Wall, B.S.F., M.S., *Asst. Range Exam.*
Coronado (hdqrs., Tucson, Ariz.):
Frederic Winn, B.S., *Supcr.*
C. W. McKinzie, *Asst. Supvr.*
Wm. John Anderson, *Asst. Supvr.*
Crook (hdqrs., Safford, Ariz.):
Rex King, A.B., M.S.F., *Supvr.*
C. E. Moore, *Asst. Supvr.*
H. W. Naylor, *Prin. For. Ranger.*
Kaibab (hdqrs., Kanab, Utah):
Walter G. Mann, *Supvr.*
Odell Julander, *Jr. Range Exam.*
Prescott (hdqrs., Prescott, Ariz.):
F. L. W. Grubb, *Supvr.*
L. J. Putsch, *Asst. Supvr.*
Clifford E. McDuff, *Prin. For. Ranger.*
Sitgreaves (hdqrs., Holbrook, Ariz.):
F. L. Kirby, *Supvr.*
Robt. C. Salton, B.S., *Asst. Supvr.*
Kimberlin Carlisle, *Chief Lumberman.*
Tonto (hdqrs., Phoenix, Ariz.):
T. T. Swift, Ph.G., M.E., *Supvr.*
J. H. Sizer, *Asst. Supvr.*
W. E. Wiltbank, *Jr. Range Exam.*
Tusayan (hdqrs., Williams, Ariz.):
G. W. Kimball, A.B., M.F., *Supvr.*
William T. Doherty, F.E., *Asst. Supvr.*
Francis J. Monighan, *Sr. For. Ranger.*
New Mexico:
Carson (hdqrs., Taos, N.Mex.):
C. R. Dwire, *Supvr.*
C. A. Merker, B.S.F., *Asst. Supvr.*
Edward C. Groesbeck, *Sr. For. Ranger.*
A. D. Molohon, *Jr. Range Exam.*
Cibola (hdqrs., Albuquerque, N.Mex.):
John A. Adams, M.E., *Supvr.*
Jacob C. Nave, *Asst. Supvr.*
Robt. V. Boyle, *Asst. Supvr.*
Gila (hdqrs., Silver City, N.Mex.):
James A. Scott, *Supvr.*
L. R. Lessel, B.S.F., *Asst. Supvr.*
R. P. Boone, *Asst. Supvr.*
Lincoln (hdqrs., Alamogordo, N.Mex.):
O. F. Arthur, *Supvr.*
Simeon Strickland, *Asst. Supvr.*
R. D. Morris, B.S.F., *Asst. Range Exam.*
Santa Fe (hdqrs., Santa Fe, N.Mex.):
Frank E. Andrews, *Supvr.*
L. F. Cottam, *Asst. Supvr.*
J. C. Roak, B.S.F., *Asst. Supvr.*
C. H. Kissam, B.F., F.E., *Supt. Road Const.*
Jackson W. Space, B.S.F., *Sr. For. Ranger.*

REGION 4.—Intermountain Region

Utah, southern Idaho, western Wyoming, Nevada (hdqrs., Ogden, Utah).
R. H. Rutledge, *Reg. For.*

Finance and Accounts:
Lee Straton, *Reg. Fiscal Agt.*
A. C. Wycoff, *Dep. Fiscal Agt.*

Operation:
C. N. Woods, *Asst. Reg. For.*
Thomas V. Pearson, *Admin. Asst.*

State Cooperative Fire Protection under Clark-McNary Law, Idaho:
C. B. Morse, M.S., *Asst. Reg. For.*

Forest Management:
C. B. Morse, M.S., *Asst. Reg. For.*
E. C. Sanford, B.S., *Asst.*
U. S. Swartz, *Log. Engr.*

Range Management:
Ernest Winkler, *Asst. Reg. For.*
O. A. Olson, *Fish and Game.*
A. R. Standing, *Insp. of Grazing.*

Lands:
Dana Parkinson, A.B., M.F., *Asst. Reg. For.*

Engineering:
J. P. Martin, C.E., *Reg. Engr.*
W. W. Blakeslee, *Admin. Asst.*
H. M. Shank, *Assoc. Civil Engr.* (*maps and surveys*).
J. P. Martin, C.E., *Reg. Engr.* (*roads*).
J. P. Martin, C.E., *Reg. Engr.* (*water power*).

Public Relations:
Dana Parkinson, A.B., M.F., *Asst. Reg. For.*

Natitonal Forests:
Idaho:
Boise (hdqrs., Boise, Idaho):
Guy B. Mains, *Supvr.*
Arthur Potter, *Asst. Supvr.*
J. W. Stokes, B.S., M.E., *Tech. Asst.*
Caribou (hdqrs., Montpelier, Idaho):
F. S. Moore, *Supvr.*
Challis (hdqrs., Challis, Idaho):
James Farrell, B.S., *Supvr.*
E. E. McKee, *Asst. Supvr.*
Idaho (hdqrs., McCall, Idaho):
S. C. Scribner, *Supvr.*
F. W. Godden, B.S., *Asst. Supvr.*
Lemhi (hdqrs., Mackay, Idaho):
E. A. Renner, *Supvr.*
Minidoka (hdqrs., Burley, Idaho):
S. S. Stewart, A.B., M.S., *Supvr.*
Payette (hdqrs., Emmett, Idaho):
W. B. Rice, B.A., M.F., *Supvr.*
Clark Miles, *Tech. Asst.*
Clayton W. Scribner, B.S., *Tech. Asst.*
Salmon (hdqrs., Salmon, Idaho):
John N. Kinney, *Supvr.*
D. E. Romano, B.S., *Asst. Supvr.*
Sawtooth (hdqrs., Hailey, Idaho):
M. S. Benedict, *Supvr.*
L. R. Dremolski, B.S., *Jr. Range Exam.*
Targhee (hdqrs., St. Anthony, Idaho):
S. W. Stoddard, *Supvr.*
David A. Arrivee, B.S., *Asst. Supvr.*
Alford P. Balch, B.S., *Tech. Asst.*
Weiser (hdqrs., Weiser, Idaho):
John Raphael, *Supvr.*
Felix C. Koziol, B.S., *Asst. Supvr.*
Wallace M. Saling, B.S., *Tech. Asst.*
Jr. Range Exam.
N. D. Millard, B.S., *Tech. Asst.*
Nevada:
Humboldt (hdqrs., Elko, Nev.):
Alexander McQueen, *Supvr.*
Wilford E. Tangren, *Asst. Supvr.*
Nevada (hdqrs., Ely, Nev.):
Chester J. Olsen, *Supvr.*
Utah:
Ashley (hdqrs., Vernal, Utah):
J. O. Stewart, B.S., *Supvr.*

National Forests—Continued.
Idaho—Continued.
Cache (hdqrs., Logan, Utah):
Carl B. Arentson, *Supvr.*
H. C. Hoffman, M.S., *Tech. Asst.*
Dixie (hdqrs., Cedar City, Utah):
J. E. Gurr, *Supvr.*
Fishlake (hdqrs., Richfield, Utah):
C. A. Mattsson, *Supvr.*
A. L. Taylor, *Asst. Supvr.*
La Sal (hdqrs., Moab, Utah):
A. C. Folster, *Supvr.*
Manti (hdqrs., Ephraim, Utah):
J. W. Humphrey, *Supvr.*
Powell (hdqrs., Panguitch, Utah):
Wallace M. Riddle, *Supvr.*
J. D. Hansen, B.S., *Jr. Range Exam.*
Uinta (hdqrs., Provo, Utah):
Chas. DeMoisy, Jr., *Supvr.*
Geo. C. Larson, *Asst. Supvr.*
Wasatch (hdqrs., Salt Lake City, Utah):
A. G. Nord, *Supvr.*
Dan Bulfer, B.S., *Tech. Asst.*
Blaine Betenson, *Asst. Supvr.*
Wyoming:
Teton (hdqrs., Jackson, Wyo.):
A. C. McCain, *Supvr.*
W. L. Keene, B.S., *Tech. Asst.*
Wyoming (hdqrs., Kemmerer, Wyo.):
C. E. Favre, M.S., *Super.*
T. H. Van Meter, B.S., *Asst. Supvr.*
J. T. Mathews, B.S., *Tech. Asst.*

REGION 5.—California Region

California and southwestern Nevada (hdqrs., San Francisco, Calif.):
Stuart B. Show, A.B., M.F., *Reg. For.*

Law:
H. P. Dechant, A.B., LL.B., *Asst. to Solicitor.*

Finance and Accounts:
A. W. Smith, *Reg. Fiscal Agt.*
Howard E. Marshall, *Dep. Fiscal Agt.*

Operations:
Robert L. Deering, A.B., M.F., *Asst. Reg. For.*
Paul P. Pitchlynn, *Reg. For. Insp.* (*personnel, insp. and improvements*).
E. V. Lackey, *Admin. Asst.*
Elsa H. Schmieder, *Chief of Maintenance.*
C. E. Jordan, *Reg. For. Insp.*
W. A. Huestis, *Supt. of Road Const.* (*minor roads and trails*).
Frank E. Woodridge, *Chief Surv.* (*minor roads and trails*).
Chas. L. Young, *Chief Surv.* (*minor roads and trails*).
F. H. Hafley, *Telephone Engr.*

Fire Control:
Jay H. Price, B.S., *Asst. Reg. For.*
John S. Everitt, B.S., *Assoc. For.*
Thomas W. Talbott, B.S., LL.B., *Asst. Reg. For. Insp.*

State Cooperative Fire Protection Under Clarke-McNary Law, California and Territory of Hawaii:
Jay H. Price, B.S., *Asst. Reg. For.*

Forest Management:
T. D. Woodbury, Ph.B., M.F., *Asst. Reg. For.*
C. E. Dunston, B.F., *Assoc. For.*
J. R. Berry, *Log. Engr.*
B. O. Hughes, B.S., *Asst. For.* (*logging*).
Wm. S. Price, *Chief Lumberman.*
O. M. Evans, *Assoc. For.* (*timber surveys*).

Forest Pathology (in coop. with Bur. of Pl. Ind.):
Willis W. Wagner, A.B., M.S., *Consult. Path.*
Ernest Wright, M.S., *Jr. Path.*

Forest Insect Investigations (Univ. of California, Berkeley, Calif.):
H. E. Burke, Ph.D., *Sr. Ent.*
J. M. Miller, B.S., *Sr. Ent.*
K. A. Salman, Ph.D., *Agt.*
G. R. Struble, B.S., A.M., *Asst. Ent.*

Range Management:
Jesse W. Nelson, *Asst. Reg. For.*
R. W. Beeson, B.A., *Asst. For.*

Lands:
L. A. Barrett, *Asst. Reg. For.*
George Miller, *Reg. For. Insp.*
W. H. Friedhoff, E.M., *Reg. For. Insp.*

Engineering:
E. W. Kramer, C.E., *Reg. Engr.*
John C. Beebe, B.S., C.E., *Sr. Civil Engr.*
S. H. Ketcham, E.M., *Assoc. Hydroelectrical Engr.* (*water power*).
H. A. Sedelmeyer, *Chief Drft.*
T. R. Littlefield, B.F., F.E., *Chief Surv.* (*maps and surveys*).
B. B. Burnett, C.E., *Asst. Reg. Engr.* (*roads*).
J. H. Lawrence, *Asst. Engr.* (*bridges*).
J. F. Serex, A.B., *Sr. Engr., Drft.*

Public Relations:
Wallace I. Hutchinson, A.B., M.F., *Asst. Reg. For.*
Robert W. Ayres, Ph.B., M.F., *Sr. Admin. Asst.*

National Forests:
California:
Angeles (hdqrs., Los Angeles, Calif.):
Wm. V. Mendenhall, *Supvr.*
Guerdon Ellis, B.S., *Asst. Supvr.*
August J. Mueller, *Asst. Supvr.*
James N. Gibson, B.S., M.F., *Jr. For.*
Cleveland (hdqrs., San Diego, Calif.):
L. H. Anderson, *Supvr.*
Mayhew H. Davis, *Asst. Supvr.*
Albert M. Longacre, B.S., *Jr. For.*
Eldorado (hdqrs., Placerville, Calif.):
E. F. Smith, *Supvr.*
Arnold N. Weber, M.S., *Jr. For.*
Travis M. Tyrrell, B.S., *Jr. For.*
Inyo (hdqrs., Bishop, Calif.):
Roy Boothe, *Supvr.*
Klamath (hdqrs., Yreka, Calif.):
F. D. Douthitt, *Supvr.*
Thomas A. Bigelow, *Asst. Supvr.*
Alfred K. Crebbin, *Jr. For.*
George K. Fox, B.S., *Jr. For.*
George E. Sargent, B.S., *Jr. For.*
W. W. Wooldridge, *Foreman Road Const.*
Lassen (hdqrs., Susanville, Calif.):
George M. Gowen, B.S., *Supvr.*
Percy D. Hanson, B.S., *Asst. Supvr.*
Reuben P. Box, *Asst. Supvr.* (N. Butte Prot. Dis.).
Marc W. Edmonds, B.S., *Asst. For.*
Waldo E. Wood, B.S., *Jr. Range Exam.*
C. W. Corson, M.S., *Jr. For.*
Mendocino (hdqrs., Willows, Calif.):
Frank Price, *Supvr.*
W. F. Derby, A.B., *Asst. Supvr.*
J. Milton Buck, *Jr. For.*
Modoc (hdqrs., Alturas, Calif.):
Fred P. Cronemiller, B.S., *Supvr.*
Russell S. Bacon, B.S., M.S.F., *Jr. For.*
Alvin L. Parker, B.S., *Jr. For.*
Fred J. Dooley, *Prin. Lumberman.*
Plumas (hdqrs., Quincy, Calif.):
D. N. Rogers, B.S., M.F., *Supvr.*
John T. Gray, *Asst. Supvr.*
George R. Schrader, *Jr. For.*
Ambrose B. Everts, B.S., *Jr. For.*
Paul R. Kevin, B.S., *Jr. For.*
Henry E. Norton, B.S., *Jr. For.*

National Forests—Continued.
California—Continued.
Plumas—Continued.
Lloyd W. Swift, B.S., *Jr. Range Exam.*
San Bernardino (hdqrs., San Bernardino, Calif.):
J. E. Elliott, *Supvr.*
Frank A. Robinson, *Asst. Supvr.*
Leon H. J. Cranston, *Asst. Supvr.*
Santa Barbara (hdqrs., Santa Barbara, Calif.):
S. A. Nash-Boulden, *Supvr.*
Warren T. Murphy, B.S., M.F., *Asst. Supvr.*
Cyril S. Robinson, *Jr. Range Exam.*
Luther B. Burkett, B.S., *Jr. For.*
John S. Edwards, B.S., *Prin. For. Ranger.*
Ernest L. Baxter, B.S., *Jr. For.*
Paul C. Case, B.S.F., M.F., *Jr. For.*
Sequoia (hdqrs., Porterville, Calif.):
F. P. Cunningham, *Supvr.*
Claude K. Barker, *Asst. Supvr.*
S. Cooper Smith, B.S., *Jr. Range Exam.*
Shasta (hdqrs., Mt. Shasta, Calif.):
Thos. J. Jones, *Supvr.*
Frank Myers, *Asst. Supvr.*
Dewitt Nelson, B.S., *Asst. Supvr.*
Walter Rex Denney, B.S., *Jr. For.*
Belknap C. Goldsmith, B.S., M.F., *Log. Engr.*
Charles A. VanDewalker, B.S., *Jr. For.*
Fred W. Johnson, B.S., *Jr. Range Exam.*
Sierra (hdqrs., Northfork, Calif.):
M. A. Benedict, B.S., *Supvr.*
Audie K. Wofford, *Asst. Supvr.*
Carl A. Gustafson, M.S., *Jr. For.*
Crawford R. Buck, B.S., *Jr. For.*
William V. Jones, *Jr. For.*
Stanislaus (hdqrs., Sonora, Calif.):
J. R. Hall, M.S., *Supvr.*
Orville P. Burnett, B.S., *Asst. For.*
Joseph A. Cary, *Jr Range Exam.*
Roberts E. Jones, B.S., *Jr. For.*
Heber P. Struble, B.S., *Jr. For.*
Tahoe (hdqrs., Nevada City, Calif.):
R. L. Bigelow, *Supvr.*
Earl E. Bachman, B.S., *Asst. For.*
Randal McCain, B.S.F., *Jr. For.*
Leland S. Smith, *Asst. Range Exam.*
Trinity (hdqrs., Weaverville, Calif.):
Millard M. Barnum, B.S., *Supvr.*
James P. Farley, B.S., *Asst. Supvr.*
Frederick W. Grover, B.S., *Jr. For.*
Wm. E. Nelson, B.S., *Jr. For.*
Nevada:
Mono (hdqrs., Minden, Nev.):
Wm. M. Maule, *Supvr.*

REGION 6.—North Pacific Region

Washington and Oregon (hdqrs., Portland, Oreg.).
C. J. Buck, A.B., B.S., M.F., *Reg. For.*

Finance and Accounts:
A. H. Cousins, *Reg. Fiscal Agt.*
H. J. Weil, *Dep. Fiscal Agt.*

Operation:
A. O. Waha, *Asst. Reg. For.*
Shirley Buck, *Admin. Off.*
C. M. Allen, *Telephone Engr.*
Allen H. Hodgson, M.F., *Personnel Training and Research Liaison Off.*

Fire Control:
F. H. Brundage, Ph.B., M.F., *Asst. Reg. For.*
W. B. Osborne, Jr., A.B., M.F., *Insp.* (*fire suppression*).
R. A. Bottcher, *Insp.* (*Transportation study*).
Albert Arnst, B.S., *Jr. For.* (*Transportation study*).

Inspection of Oregon and California Railroad Lands and State Fire Cooperation:
E. H. MacDaniels, A.B., M.F., *Insp. (fire coop.)*.

Forest Management:
Fred Ames, A.B., M.F., *Asst. Reg. For.*
B. E. Hoffman, B.S., *Sr. Logging Engr.*
O. F. Ericson, A.B., M.S.F., *Log. Engr.*
G. E. Stevenson, *Chief Lumberman (check scaling)*.
Fred A. Matz, *Chief Lumberman (timber surv.)*.

Planting and Forest Investigations:
J. F. Kümmel, M.A., *For. Exam. (planting)*.
E. J. Hanzlik, B.S.F., *For. Exam. (investigation)*.

Forest Pathology (in coop. with Bur. of Pl. Ind.):
H. G. Lachmund, A.B., *Assoc. Path.*
J. L. Mielke, B.S.F., *Jr. Path.*
T. S. Buchanan, B.S., *Jr. Path.*

Forest Insect Control:
A. J. Jaenicke, B.S.F., *For. Exam.*

Range Management:
E. N. Kavanagh, *Asst. Reg. For.*

Lands:
F. V. Horton, *Asst. Reg. For.*
F. W. Cleator, B.S.A., *Asst. Insp. (recreation)*.
A. G. Simson, *Radio Project.*

Engineering:
James Frankland, *Reg. Engr.*
H. E. Howes, B.S., *Asst. Reg. Engr.*
K. P. Cecil, *Insp. Minor Roads and Trails.*
T. P. Flynn, *Asst. Insp. Minor Roads and Trails.*
W. O. Shambaugh, *Asst. Insp.*
Victor Flach, *Chief Drft.*
Lage Wernstedt, M.E., M.F., *Asst. Forester.*

Public Relations:
John D. Guthrie, Ph.B., M.F., *Asst. Reg. For.*
Geo. E. Griffith, *Admin. Asst.*
E. Maude Stone, *Libr.*

National Forests:
Oregon:
Deschutes (hdqrs., Bend, Oreg.):
Carl B. Neal, A.B., M.F., *Supvr.*
A. G. Angell, *Asst. Supvr.*
Chas. H. Overbay, B.S., *Sr. For. Ranger.*
Fenton G. Whitney, B.S., *Sr. For. Ranger.*
Fremont (hdqrs., Lakeview, Oreg.):
J. F. Campbell, *Supvr.*
J. C. Scharff, *Asst. Supvr.*
Henry C. Hulett, B.S., M.S.F., *Jr. For.*
Chester A. Bennett, B.S., *Jr. For.*
Walter J. Perry, *Chief Lumberman.*
Malheur (hdqrs., John Day, Oreg.):
Carl M. Ewing, *Supvr.*
F. W. Cory, B.S.F., M.S., *Asst. Supvr.*
Frank E. Hausherr, B.S., *Executive Asst.*
H. R. Elliott, *Jr. For.*
O. L. Beedon, B.S., *Jr. Range Exam.*
James C. Iler, B.S.F., *Jr. For.*
R. B. Pierpont, *Supt. of Const.*
C. W. Waterbury, *Lumberman.*
Mount Hood (hdqrs., Portland, Oreg.):
Thomas H. Sherrard, A.B., *Supvr.*
R. T. Carter, *Asst. Supvr.*
R. F. Grefe, B.S., *Asst. Supvr.*
H. D. Foster, A.B., M.F., *Tech. Asst.*

National Forests—Continued.
Oregon—Continued.
Mount Hood—Continued.
F. E. Williamson, Jr., B.S.F., *Recreation Asst.*
Ralph W. Crawford, B.S.F., *Jr. For.*
F. F. Murray, *Road Supt.*
W. R. Anderson, B.S., *Jr. For.*
Ochoco (hdqrs., Prineville, Oreg.):
W. O. Harriman, A.B., *Supvr.*
H. C. Obye, B.S.F., *Tech. Asst.*
Chas. M. Rector, B.S., *Jr. Range Exam.*
Rogue River (hdqrs., Medford, Oreg.):
H. B. Rankin, *Supvr.*
Karl L. Janouch, B.S., *Asst. Supvr.*
N. C. White, B.E., *Asst. Supvr. (Fire)*.
Siskiyou (hdqrs., Grants Pass, Oreg.):
G. E. Mitchell, *Supvr.*
M. M. Lewis, *Asst. Supvr.*
A. G. Jackson, A.B., M.S.F., *Tech. Asst.*
C. D. Cameron, *Road Supt.*
M. L. Hoist, B.S.F., *Tech. Asst.*
John K. Blair, *Jr. For.*
Vondis E. Miller, B.S., M.S.F., *Jr. For.*
Adolph Nilsson, B.S., *For. Ranger.*
Siuslaw (hdqrs., Eugene, Oreg.):
Ralph S. Shelley, B.S., *Supvr.*
A. R. Wilcox, B.S., *Asst. For.*
Geo. P. McClanahan, B.S., *Road Supt.*
Dahl J. Kirkpatrick, B.S., *For. Ranger.*
Umatilla (hdqrs., Pendleton, Oreg.):
J. F. Irwin, *Supvr.*
Bernard Lee, B.S.F., *Jr. Range Exam.*
F. D. Monroe, B.S., *Jr. For.*
I. J. Mason, B.S., *Asst. Supvr.*
O. E. Tharp, B.S.F., *Jr. Forester.*
John G. Clouston, B.S., *For. Ranger.*
F. B. Ramsay, B.S., *Asst. Ranger.*
Umpqua (hdqrs., Roseburg, Oreg.):
Vernon V. Harpham, *Supvr.*
T. H. Burgess, B.S., *Asst. Supvr.*
K. P. McReynolds, B.S.F., *Jr. For.*
Paul S. Pieper, B.S.F., *For. Ranger.*
Wallowa (hdqrs., Wallowa, Oreg.):
Fred W. Furst, B.S., *Supvr.*
Lawrence Frizzell, *Asst. Supt.*
Whitman (hdqrs., Baker, Oreg.):
Walt L. Dutton, B.S., *Supvr.*
Rolland Huff, *Asst. Supvr.*
I. E. Jones, *Road Supt.*
P. L. Paine, B.S.F., *Jr. For.*
Otto G. Koenig, B.S.F., *For. Ranger.*
Lester M. McPherson, B.S.F., *Jr. For.*
Willamette (hdqrs., Eugene, Oreg.):
P. A. Thompson, *Supvr.*
Foster Steele, *Asst. Supvr.*
H. G. White, *Asst. Supvr. (Fire)*.
C. C. Olsen, B.S.
H. E. Haefner, B.S.A..
John C. Wilkinson, B.S.F., *Asst. Ranger.*
Washington:
Chelan (hdqrs., Okanogan, Wash.):
P. T. Harris, A.B., M.F., *Supvr.*
Roy Mitchell, *Asst. Supvr.*
E. E. Birkmaier, B.S., *Asst. Supvr.*
Columbia (hdqrs., Portland, Oreg.):
J. R. Bruckart, *Supvr.*
Lester Moncrief, B.S.F., *Asst. Supvr.*
G. A. Bright, B.A., M.F., *Tech. Asst.*
Lewis A. Treen, Jr., B.S.F., *Road Supt.*
J. M. Mann, *Road Supt.*
John P. Hough, B.S.F., *Jr. For.*
W. F. Will, *Planting Asst., Wind River Nursery.*
Colville (hdqrs., Republic, Wash.):
C. T. Moir, Jr., *Supvr.*
Lloyd L. Houghland, *Asst. Supvr.*
J. B. Hogan, B.S.F., *Tech. Asst.*
Robt. E. Foote, *Road Supt.*

National Forests—Continued.
Washington—Continued.
Mount Baker (hdqrs., Bellingham, Wash.):
Lawrence B. Pagter, B.A., M.F., *Supvr.*
R. L. Fromme, B.S.A., M.F., *Asst. Supvr.*
Lloyd H. Fullington, B.S., *Asst. Ranger.*
D. J. Stoner, B.S.F., *Jr. For.*
Olympic (hdqrs., Olympia, Wash.):
H. L. Plumb, A.B., M.S.F., *Supvr.*
Lee P. Brown, B.S.F., *Asst. Supvr.*
Paul H. Logan, B.S.F., *Jr. For.*
Snoqualmie (hdqrs., 518 Federal Office Bldg., Seattle, Wash.):
John C. Kuhns, *Supvr.*
C. J. Conover, B.S., M.S.F., *Asst. Supvr.*
Walter H. Lund, B.S., *Tech. Asst.*
E. R. Johnson, *Road Supt.*
Wenatchee (hdqrs., Wenatchee, Wash.):
Gilbert D. Brown, *Supvr.*
Harry W. Elofson, B.S., *Asst. Supvr.*
R. D. Maclay, B.S., *Road Supt.*
R. W. Putnam, B.S., *Tech. Asst.*
Axel G. Lindh, B.S., *For Ranger.*
Edward Cliff, B.S., *Asst. For. Ranger.*
Glenn C. Charlton, B.S., *For Ranger.*
Paul A. Brinson, M.F., *Jr. For.*

REGION 7.—Eastern Region

Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Maine, Mississippi, New Hampshire, North Carolina, Oklahoma, Pennsylvania, Puerto Rico, South Carolina, Tennessee, Vermont, Virginia, and West Virginia (hdqrs., Washington, D.C.).
Joseph C. Kircher, B.A., M.F., *Reg. For.*

Finance and Accounts:
L. T. Mahurin, *Reg. Fiscal Agt.*
H. B. Herms, *Dep. Reg. Fiscal Agt.*

Operation:
H. O. Stabler, M.F., *Asst. Reg. For.*
R. W. Shields, B.S., *Reg. For. Insp.*

Forest Management:
R. M. Evans, B.A., M.F., *Asst. Reg. For.*
L. S. Gross, B.S., *Assoc. Reg. For. Insp.*

Range Management:
I. T. Yarnall, B.S., *Asst. Reg. For.*

Lands:
I. T. Yarnall, B.S., *Asst. Reg. For.*
Percy J. Paxton, B.A., M.F., *Reg. For. Insp.*
E. J. Schlatter, B.S., *Asst. For.*
D. W. Tabbutt, B.S., *Asst. For.*

Engineering:
J. C. Dort, B.S., *Reg. Engr.*
Rezin E. Pidgeon, B.S., *Asst. Reg. Engr.*
Geo. W. Root, *Assoc. Engr.*
Darnall Burks, B.S., *Asst. Engr.*
Wm. W. Taylor, B.S., *Chief Land Exam.*

National Forests:
Alabama:
Alabama (hdqrs., Athens, Tenn.):
S. R. Broadbent, B.S., M.F., *Supvr.*
F. C. Henneberger, B.S., *Jr. For.*
Arkansas:
Ouachita (hdqrs., Hot Springs Nat. Park, Ark.):
Arnold C. Shaw, B.S., *Supvr.*
A. W. Hartman, B.S., *Asst. Supvr.*
H. L. Russell, B.A., M.F., *Assoc. For.*
Chas. Melichar, B.S., M.F., *Jr. For.*
P. F. W. Prater, B.S., *Jr. For.*
S. D. Beichler, B.S., *Jr. For.*

National Forests—Continued.
Arkansas—Continued.
Ouachita—Continued.
F. M. Cossitt, B.S., *Jr. For.*
G. H. Griswold, B.S., *Jr. For.*
Wm. R. Paddock, B.S., *Jr. For.*
Geo. C. Hoffman, B.S., *Jr. For.*
Frank W. Rasor, B.S., *Jr. For.*
Ozark (hdqrs., Russellville, Ark.):
Henry R. Koen, *Supvr.*
Philip H. Bryan, B.S., *Jr. For.*
James S. Long, M.F., *Jr. Land Appraiser.*
L. G. Whipple, B.S., *Jr. For.*
Florida:
Choctawhatchee (hdqrs., Pensacola, Fla.):
Clinton G. Smith, B.S., M.F., *Supvr.*
Ocala (hdqrs., Lake City, Fla.):
Evan W. Hadley, B.S., *Supvr.*
M. C. Howard, B.S., *Jr. For.*
Osceola (hdqrs., Lake City, Fla.):
Evan W. Hadley, B.S., *Supvr.*
F. A. Albert, B.S., *Jr. For.*
Kentucky:
Cumberland Purchase Unit (hdqrs., Winchester, Ky.):
W. P. Kramer, B.S., *Supvr.*
Alfred H. Anderson, B.S., *Jr. For.*
K. M. Stoller, B.S., *Jr. Land Appraiser.*
A. T. Kendrick, B.S., *Road Supt.*
Louisiana:
Kisatchie (hdqrs., Alexandria, La.):
Chas. A. Plymale, *Supvr.*
Hugh S. Redding, B.S., *Jr. For.*
Mississippi:
Homochitto Purchase Unit (hdqrs., Brookhaven, Miss.):
R. M. Conarro, *Supvr.*
E. L. Reese, *Chief Land Exam.*
R. J. Riebold, B.S., *Jr. For.*
New Hampshire:
White Mountain (hdqrs., Laconia, N.H.):
James E. Scott, *Supvr.*
H. R. Currier, *Asst. Supvr.*
Thos. C. Flint, B.S., M.F., *Jr. For.*
Wm. L. Maule, B.S., M.F., *Jr. For.*
J. Neil Van Alstine, B.S., *Jr. For.*
North Carolina:
Nantahala (hdqrs., Franklin, N.C.):
J. B. Byrne, B.S., *Supvr.*
John Wasilik, Jr., M.F., Ph.B., *Land Appraiser.*
John H. Stone, B.S., M.F., *Jr. For.*
Donald Young, B.S., M.F., *Jr. For.*
Zeke B. Byrd, B.S., *Jr. For.*
Pisgah (hdqrs., Asheville, N.C.):
M. A. Mattoon, M.F., Ph.B., *Supvr.*
H. E. Ochsner, B.S., M.F., *Asst. For.*
W. C. Branch, B.S., M.F., *Jr. For.*
E. E. Ripper, B.S., *Jr. For.*
W. B. Wheelis, B.S., M.F., *Jr. Land Appraiser.*
A. R. Kinney, B.S., *Chief Land Exam.*
S. J. Johnson, B.S., *Jr. For.*
Allegheny (hdqrs., Warren, Pa.):
L. L. Bishop, B.S., *Supvr.*
G. R. Salmond, *Asst. Supvr.*
L. R. Strickenberg, B.S., *Chief Land Exam.*
W. I. Stevens, B.S., M.F., *Jr. Land Appraiser.*
Gilbert L. Varney, B.S., M.F., *Jr. For.*
Puerto Rico:
Luquillo (hdqrs., Rio Piedras, P.R.):
Wm. R. Barbour, B.S., *Supvr.*
South Carolina:
Wambaw Purchase Unit (hdqrs., Charleston, S.C.):
H. M. Sears, B.S., *Supvr.*
Tennessee:
Cherokee (hdqrs., Athens, Tenn.):
S. R. Broadbent, B.S., M.F., *Supvr.*
M. B. Ricker, B.S., *Jr. Land Appraiser.*

National Forests—Continued.
Tennessee—Continued.
Cherokee—Continued.
Geo. K. Stephenson, B.S., M.F., *Jr. For.*
Unaka (hdqrs., Bristol, Tenn.):
Clifford L. Graham, *Supvr.*
F. Henry Sipe, B.S., M.F., *Jr. For.*
Karl D. Henze, B.S., *Jr. Land Appraiser.*
L. E. Fitch, B.S., *Jr. Land Appraiser.*
Virginia:
George Washington (hdqrs., Harrisonburg, Va.):
John W. McNair, *Supvr.*
G. S. Wheeler, B.S., M.F., *Asst. Supvr.*
Chas. E. Beaumont, Ph.B., *Assoc. For.*
A. D. McKellar, B.S., *Jr. For.*
A. R. Cochran, B.S., *Jr. For.*
Lewis R. Smith, B.S., *Jr. For.*
Vermont:
Green Mountain (hdqrs., Bennington, Vt.):
A. C. Van Nort, B.S., *Jr. For.*
West Virginia:
Monongahela (hdqrs., Elkins, W.Va.):
A. A. Wood, *Supvr.*
E. R. Conrad, *Chief Land. Exam.*
D. A. Oliver, B.S., *Nurseryman.*
W. E. Hedges, *Chief Land Exam.*
Donald W. Beck, B.S., *Jr. For.*

Region 8.—Alaska Region

Alaska (hdqrs., Juneau):
Chas. H. Flory, B.S., *Reg. For.*

Finance and Accounts:
H. L. Redlingshafer, *Reg. Fiscal Agt.*
L. C. Pratt, *Dep. Reg. Fiscal Agt.*

Operation:
M. L. Merritt, M.S., *Asst. Reg. For.*
W. J. McDonald, *Reg. For. Inspector* (hdqrs., Ketchikan, Alaska).

Forest Management:
B. F. Heintzleman, M.F., *Asst. Reg. For.*
J. P. Williams, *For. Exam.* (*timber surveys*).
Chas. H. Forward, B.S.F., *Ranger* (*timber surveys*).
R. F. Taylor, M.F., *For. Exam.* (*silvical research*).
Wendell Moran, B.S.F., *Jr. For.* (*silvical research*).

Lands:
M. L. Merritt, M.S., *Asst. Reg. For.*
Wellman Holbrook, *For. Exam.*

Engineering:
M. L. Merritt, M.S., *Asst. Reg. For.* (*roads*).
B. F. Heintzleman, M.F., *Asst. Reg. For.* (*water power*).

REGION 9.—North Central Region

Illinois, Indiana, Iowa, Ohio, Michigan, Minnesota, Missouri, Wisconsin (hdqrs., Milwaukee, Wis.):
Earl W. Tinker, B.S., M.F., *Reg. For.*
H. Basil Wales, B.S.F., M.F., *Asst. Reg. For.*

Illinois, Indiana, Iowa, Ohio, Michigan, Minnesota, Missouri, Wisconsin (hdqrs. Milwaukee, Wis.)—Continued.
Crosby A. Hoar, B.A., M.F., *Asst. Reg. For.*
Albin G. Hamel, B.S.F., *For. Inspr.* (*Clarke-McNary Coop.*).
Wm. L. Barker, Jr., B.S.F., *Inspr.*
S. D. Anderson, B.S.F., *Inspr.*

Finance and Accounts:
Shelley E. Schoonover, *Reg. Fiscal Agt.*
Wm. B. Ihlanfeldt, *Dep. Reg. Fiscal Agt.*

Engineering:
Roads:
Holland Coleman, *Dist. Engr.*
Surveys:
Harold P. McConnell, *Asst. Engr.*
Maps:
Frank F. Kemp, *Dftsmn.*

National Forests and Purchase Units:
Michigan:
Huron National Forest (hdqrs., East Tawas, Mich.):
Gunnar K. Fenger, B.S.F., *For. Supr.*
H. C. Turner, B.S., *Nurseryman.*
Gustaf A. Limstrom, B.S.F., *Ranger.*
Owen B. Hurley, B.S.F., *Ranger.*
Clarence E. Knutson, B.S.F., *Ranger.*
Upper Michigan National Forests (hdqrs., Munising, Mich.):
Russell B. McKennan, B.S.F., *For. Supr.*
H. Phil Brandner, B.S.F., *Ranger.*
Clare W. Hendee, B.S.F., *Ranger.*
Harold G. Peterson, B.S.F., *Ranger.*
Minnesota:
Chippewa National Forest (hdqrs., Cass Lake, Minn.):
James M. Walley, B.S.F., *For. Supr.*
Allen F. Miller, B.S.F., *Asst. For. Supr.*
Gerald S. Horton, B.S.F., M.F., *Ranger.*
Ralph H. Johnson, *Nurseryman.*
Superior National Forest (hdqrs., Duluth, Minn.):
Leslie S. Bean, B.S.F., *For Supr.*
Calvin B. Stott, B.S.F., *Asst. For. Supr.*
John McLaren, *For. Inspr.*
Frank R. Crow, B.S., *Ranger.*
Paul S. Newcomb, B.S.F., M.F., *Ranger.*
Wm. H. Pletcher, B.S.F., *Ranger.*
Chas. A. Gregory, B.S.F., *Ranger.*
Wisconsin:
Nicolet N.F., Eastern Division (hdqrs. Rhinelander, Wis.):
Paul A. Wohlen, Univ. of Christiana, Norway, *For. Supr.*
G. Willard Jones, B.S.F., *Nurseryman.*
Ray C. Iverson, B.S.F., *Ranger.*
John T. Horner, B.S.F., *Ranger.*
Reno LaRocque, B.S.F., *Ranger.*
Nicolet National Forest, Western Division (hdqrs., Park Falls, Wis.):
R. U. Harmon, B.S.F., *For. Supr.*
Delbert H. Isch, B.S.F., *Ranger.*
Donald R. Ball, B.S.F., *Ranger.*
Raymond J. Smith, B.S.F., *Ranger.*

GRAIN FUTURES ADMINISTRATION

J. W. T. Duvel, D.Sc., *Chief.*
Joseph M. Mehl, LL.M., *Asst. Chief.*
Theo. D. Hammatt, B.A., *Sr. Mkt. Spec.*
Rodger R. Kauffman, LL.B., *Asst. Chief Inv.*
Albert Strack, *Admin. Asst.*

Grain Exchange Supervision:
California—Sacramento:
L. M. Jeffers, B.S., *Supvr. in charge.*
Illinois—Chicago:
Leslie A. Fitz, B.S., *Prin. Grain Exchange Supvr., in charge.*
Chas. M. Fritz, M.S., *Sr. Grain Exchange Supvr.*
Paul Mehl, M.S., *Sr. Agr. Econ.*
Harold S. Irwin, M.S., *Agr. Econ.*
Enos M. Blaylock, C.P.A., *Asst. Chief, Acct.*
Arthur W. Mayo, C.P.A., *Prin. Acct.*
Douglas B. Bagnell, C.P.A., *Prin. Acct.*
Michael M. Thul, *Jr. Supvr.*
Harrison M. Hoyt, LL.B., *Head Clerk.*

Grain Exchange Supervision—Continued.
Minnesota—Minneapolis:
Jewett R. Mathewson, *Sr. Grain Exchange Supvr., in charge.*
Missouri—Kansas City:
Wm. F. Logan, *Sr. Grain Exchange Supvr., in charge.*
Harold I. Hollister, B.S., M.S., *Asst. Mkt. Spec.*
New York—New York:
Geo. H. Baston, A.B., *Sr. Grain Exchange Super., in charge.*
Washington—Seattle:
L. E. Wolf, B.S.A., *Assoc. Mkt. Spec., in charge.*

BUREAU OF HOME ECONOMICS

Louise Stanley, M.A., Ph.D., *Chief.*
Ruth Van Deman, M.A., *Assoc. Spec. in charge of Information.*
Ethel M. Smith, *Jr. Agr. Writer.*
Mamie F. Nystrom,* B.S., *Jr. Libr. in charge of Libr.*
Lennah Curtiss Zens,* B.A., *Jr. Admin. Asst.*

ECONOMICS DIVISION

Hildegarde Kneeland, Ph.D., *Prin. Home Econ., in charge.*
Faith Williams Lorimer,* M.A., Ph.D., *Sr. Home Econ.*
Hazel K. Stiebeling, M.A., Ph.D., *Sr. Home Econ.*
Rowena Schmidt Carpenter,* B.S., M.A., *Assoc. Spec. in Child Nutr.*
Medora Ward, B.S., A.M., *Asst. Home Econ.*
Marian A. Wayave, M.A., *Asst. Home Econ.*
Helen L. C. Connolly, M.A., *Jr. Home Econ.*
Ruth R. Moore, B.S., *Jr. Home Econ.*
Margery L. Gray,* B.S., *Asst. Sci. Aid (dietary studies).*

FOODS AND NUTRITION DIVISION

Hazel E. Munsell, M.A., Ph.D., *Sr. Nutr. Chem., in charge Nutr. Sec.*
Florance B. King, M.A., Ph.D., *Spec. in Foods, in charge, Food Utilization Sec.*
Charlotte E. Chatfield, B.S., *Spec. in Foods and Nutr., in charge, Food Composition Sec.*
Georgian Adams, M.A., D.Sc., *Assoc. Food Chem.*
Lucy M. Alexander, A.B., B.S., *Assoc. Spec. in Foods.*
Esther P. Daniel,* M.S., *Assoc. Nutr. Chem.*
Rosemary Loughlin, B.A., M.S., *Assoc. Spec. in Foods.*
Mabel C. Stienbarger, B.S., M.A., *Assoc. Spec. in Foods.*
Samuel C. Clark, B.S., M.A., *Asst. Food Chem.*
Grace DeVaney, M.S., *Asst. Home Econ. Spec.*
Elizabeth F. Whiteman,* B.A., *Jr. Spec. in Foods.*
Fanny W. Yeatman,* *Jr. Spec. in Foods*
Harold P. Morris, M.S., Ph.D., *Jr. Bact.*
Adelle B. Freeman, B.S., *Asst. Sci. Aid.*
Mary H. Kennedy, AB., *Asst. Sci. Aid. (Nutr. Chem.)*

TEXTILES AND CLOTHING DIVISION

Ruth O'Brien, B.S., M.A., LL.B., *Sr. Textile Chem., in charge.*
K. Melvina Downey, Ph.D., *Assoc. Physicist.*
Ruth Elmquist, M.S., Ph.D., *Asst. Textile Chem.*
Margaret S. Furry, M.S., *Asst. Textile Chem.*
Olive P. Hartley, B.A., M.S., *Asst. Textile Chem.*
Margaret B. Hays, A.B., M.S., *Asst. Phys.*
Clarice L. Scott, M.S., *Asst. Spec. in Clothing.*
Bess M. Viemont, M.S., *Asst. Spec. in Textiles.*
Margaret Smith, B.S., *Jr. Spec. in Clothing.*
Jeanne D. Guerin, B.A., *Asst. Sci. Aid.*

BUREAU OF PLANT INDUSTRY

Knowles A. Ryerson, M.S., *Chief.*
Frederick B. Richey, B.S., *Assoc. Chief.*
H. E. Allanson, B.S., *Asst. Chief.*

OFFICE OF CHIEF OF BUREAU

Business and Personnel:
F. J. Hopkins, A.B., *Sr. Admin. Asst.*
W. E. Taylor, *Chief Clerk.*
F. E. Meloy, *Sr. Admin. Asst.*
W. P. Cox, *Asst., in charge of Accounts.*
Sarah M. McInteer, *Personnel Clerk.*
Evalene O. Dixon,* *Estimates and Reports.*

Publications:
James M. Pickens, *Ed., in charge.*
Edwina V. A. Avery,* LL.M., M.P.L., *Asst. Ed.*
Rose A. Palmer, A.B., *Asst. Ed.*

Library:
Jessie M. Allen, *Asst. Libr., in charge.*
Marjorie F. Warner, *Asst. Libr.*
Alice C. Atwood, A.B., *Asst. Libr.*
Ruth D. Forbes, B.S., *Jr. Libr.*
Martha A. Sherman, *Jr. Libr.*
Elizabeth R. Pendleton, A.B., *Jr. Libr. Asst.*

ARLINGTON EXPERIMENT FARM, ROSSLYN, VA.

E. C. Butterfield, B.S., *Sr. Hort. and Supt., in charge.*
J. H. Criswell, B.S., *Assoc. Hort., Asst. Supt.*

Joseph L. Rhodes, *Prin. Sci. Aid.*
Edward C. Taylor, *Asst. Sci. Aid.*
August Mayer, *Sr. Gardener, in charge of greenhouses.*
Hershey W. Brunk, *Foreman Gardener.*

DIVISION OF BOTANY

Frederick V. Coville, A.B., D.Sc., *Prin Bot., in charge.*

Economic and Systematic Botany:
S. F. Blake, A.M., Ph.D., *Sr. Bot.*
Ivar Tidestrom, Ph.B., *Asst. Bot.*
Oliver M. Freeman, A.B., *Asst. Bot.*

Grass Investigations:
A. S. Hitchcock, M.S., D.Sc., *Prin. Bot.*
Agnes Chase,* *Assoc. Bot.*
Jason R. Swallen, B.A., M.S., *Asst. Bot.*
Cornelia D. Niles, *Sr. Libr. Asst.*

DIVISION OF CEREAL CROPS AND DISEASES

Max A. McCall, M.S., Ph.D., *Prin. Agron., in charge.*

Wheat:
S. Cecil Salmon, M.S., Ph.D., *Prin. Agron.*
J. Allen Clark, M.S., *Sr. Agron.*
Karl S. Quisenberry, M.S., Ph.D., *Agron.*
Herman A. Rodenhiser, M.S., Ph.D., *Path.*
Burton B. Bayles, M.S., *Assoc. Agron.*
Colburn C. Fifield, B.A., *Assoc. Bak. Tech.*
Annie M. Hurd-Karrer,* M.S., Ph.D., *Assoc. Physiol.*
William J. Sando, M.S., *Assoc. Agron.*
Sidney R. Snider, B.S., *Jr. Chem.*
Philip Talbot, *Sr. Sci. Aid.*
Clarence G. Colcord, *Sci. Aid.*

Oats:
T. Ray Stanton, M.S., *Sr. Agron.*
Harry B. Humphrey, Ph.D., *Prin. Path.*
Franklin A. Coffman, M.S., *Assoc. Agron.*

Barley:
Harry V. Harlan, D.Sc., *Prin. Agron.*
Neil E. Stevens, A.M., Ph.D., *Sr. Path.*
Merritt N. Pope, A.M., Ph.D., *Agron.*
Mary L. Martini, B.S., *Asst. Bot.*
Lucille Reinbach B.A. *Jr. Agr. Stat.*

Rice Production and Improvement:
Jenkin W. Jones, M.S., *Sr. Agron.*

Rice Technology:
Charles E. Chambliss, M.S., *Assoc. Agron.*

Corn:
Aaron G. Johnson, M.S., Ph.D., *Prin. Path.*
Curtis H. Kyle, B.S., *Sr. Agron.*
Charlotte Elliott, A.M., Ph.D., *Assoc. Path.*
George F. Sprague, M.S., Ph.D., *Asst. Agron.*

Grain Sorghums and Broomcorn:
John H. Martin, M.S., Ph.D., *Sr. Agron.*

Seed Flax:
Arthur C. Dillman, M.S., *Assoc. Agron.*

Field Headquarters (Coop.):
Arizona—Tucson:
Arthur T. Bartel, M.S., *Jr. Agron.* (*wheat and grain-sorghum production, breeding, and physiology*).
Arkansas:
Fayetteville:
Edgar C. Tullis, M.A., Ph.D., *Agt.* (*rice diseases*).
Stuttgart:
C. Roy Adair, M.S., *Jr. Agron.* (*rice production and breeding*).

Field Headquarters (Coop.)—Continued.
California:
Berkeley:
Ruth F. Allen, M.A., Ph.D., *Path.* (*wheat, oat, and flax rusts*).
Biggs:
Loren L. Davis, M.S., *Asst. Agron. and Supt.* (*rice production and breeding*).
Davis:
Gustav A. Wiebe, M.S., Ph.D., *Asst. Agron.* (*barley, wheat, and oat production, breeding, and genetics*).
Colorado—Akron:
John J. Curtis, B.S., *Jr. Agron.* (*wheat, oat, millets, grain sorghum, and corn production and breeding*).
Georgia—Tifton:
Harry S. Garrison, B.S., *Asst. Agron.* (*corn breeding*).
Idaho:
Aberdeen:
Harland Stevens, B.S., *Agt.* (*barley, oat, and wheat production and breeding*).
Moscow:
Wayne M. Bever, M.S., *Jr. Path.* (*wheat, rye, and Barley stripe rust*).
Illinois—Bloomington:
James R. Holbert, M.S., Ph.D., *Sr. Agron.* (*corn breeding, diseases, and physiology*).
Boyd C. Frye, *Asst. Sci. Aid.* (*corn breeding, diseases, and physiology*).
Indiana—LaFayette:
John F. Trost, M.S., *Assoc. Path.* (*corn diseases*).
Ralph R. St. John, M.S., *Assoc. Agron.* (*corn production and breeding, root studies*).
Glenn M. Smith, M.S., *Asst. Path.* (*sweet-corn diseases and breeding*).
Ralph M. Caldwell, M.S., Ph.D., *Assoc. Path.* (*wheat, rye, barley, and corn-leaf rusts*).
Leroy E. Compton, M.S., *Asst. Path.* (*wheat, rye, barley, and corn-leaf rusts*).
Iowa—Ames:
Merle T. Jenkins, M.S., Ph.D., *Assoc. Agron.* (*corn production, breeding, and genetics*).
Arthur A. Bryan, M.S., Ph.D., *Assoc. Agron.* (*corn production, breeding, and genetics*).
Robert W. Jugenheimer, *Agt.* (*corn breeding*).
Hickman C. Murphy, M.S., Ph.D., *Asst. Path.* (*oat crown rust*).
Lyman C. Burnett, M.S., *Agt.* (*oat, wheat, barley, and flax production and breeding*).
Kansas:
Hays:
Arthur F. Swanson, M.S., *Assoc. Agron.* (*wheat, oat, barley, and grain-sorghum production and breeding*).
Manhattan:
Arthur M. Brunson, M.S., Ph.D., *Agron.* (*corn production, breeding, and genetics; popcorn*).
Carl W. Bower, M.S., *Asst. Agron.* (*corn production, breeding, and genetics*).
John H. Parker, M.S., Ph.D., *Agron.* (*wheat, oat, barley, and grain-sorghum breeding and genetics*).
Hurley Fellows, M.S., Ph.D., *Assoc. Path.* (*wheat foot rots*).
Christian H. Ficke, M.S., *Jr. Path.* (*wheat foot rots*).
Charles O. Johnston, M.S., *Assoc. Path.* (*wheat, rye, barley, and corn-leaf rusts*).

Field Headquarters (Coop.)—Continued.

Louisiana:
Baton Rouge:
Hugo Stoneberg, M.S., *Asst. Agron.* (*corn production and breeding*).
Crowley:
J. Mitchell Jenkins, B.S., *Assoc. Agron. and Supt.* (*rice production and breeding*).
Nelson E. Jodon, M.S., *Jr. Agron.* (*rice production, breeding, genetics, and diseases*).

Minnesota—St. Paul:
Moses N. Levine, M.S., Ph.D., *Path.* (*wheat, rye, oat, and barley stem rust*).
Elmer R. Ausemus, M.S., Ph.D., *Assoc. Agron.* (*wheat breeding and disease resistance*).
Rayburn H. Bamberg, M.S., Ph.D., *Agt.* (*wheat diseases*).

Missouri:
Columbia:
Lewis J. Stadler, A.M., Ph.D., *Sr. Geneticist.* (*corn breeding and genetics*).
Elsberry:
Bascom M. King, B.S., A.M., *Agt.* (*rice production*).

Montana—Moccasin:
Joe L. Sutherland, M.S., *Jr. Agron.* (*wheat, oat, barley, and flax production and breeding*).

Nebraska—Lincoln:
Coit A. Suneson, M.S., *Jr. Agron.* (*wheat production and breeding*).

New York—Ithaca:
Lowell F. Randolph, Ph.D., *Assoc. Cytol.* (*corn cytology, histology, and morphology*).
William T. Craig, *Agt.* (*wheat, oat, and barley production and breeding*).

North Dakota:
Dickinson:
Ralph W. Smith, M.S., *Assoc. Agron.* (*wheat, oat, barley, flax, and corn production and breeding*).
Fargo:
Harold H. Flor, M.S., Ph.D., *Assoc. Path.* (*flax diseases*).
Langdon:
Glenn S. Smith, M.S., *Jr. Agron.* (*wheat breeding and genetics*).
Mandan:
John C. Brinsmade, Jr., A.B., *Asst. Agron.* (*flax production, breeding, and disease resistance*).
Vincent C. Hubbard, M.A., *Jr. Agron.* (*wheat breeding and genetics*).

Ohio—Wooster:
Jasper D. Sayre, M.A., Ph.D., *Physiol.* (*corn physiology*).
Vincent H. Morris, M.A., Ph.D., *Agt.* (*corn physiology*).
Glen H. Stringfield, M.S., *Agt.* (*corn production and breeding*).

Oklahoma—Woodward:
John B. Sieglinger, M.S., *Agron.* (*grain sorghum and broomcorn production, breeding, and genetics*).
Edmund Stephens, M.S., *Jr. Agron.* (*wheat production and breeding*).

Oregon:
Corvallis:
Roderick Sprague, M.S., Ph.D., *Asst. Path.*, (*wheat foot rots*).
Moro:
David E. Stephens, B.S., *Sr. Agron. and Supt.* (*wheat, oat, and barley production and breeding*).
Robert B. Hoskinson, *Sr. Agr. Aid.* (*wheat, oat, and barley production*).
Pendleton:
James F. Martin, M.S., *Jr. Agron.* (*wheat, oat, and barley production and breeding*).

Field Headquarters (Coop.)—Continued.

South Dakota—Redfield:
Edgar S. McFadden, B.S., *Assoc. Agron.* (*wheat, oat, and barley production and breeding*).

Tennessee—Knoxville:
Ludwig S. Mayer, M.S., *Asst. Agron.* (*corn production and breeding*).

Texas:
Beaumont:
Henry M. Beachell, B.S., *Agt.* (*rice production and breeding*).
Denton:
Irvin M. Atkins, B.S., *Jr. Agron.* (*wheat and oat production and breeding*).

Utah—Logan:
Rollo W. Woodward, M.S., *Jr. Agron.* (*wheat, oat, barley, and grain-sorghum production and breeding*).

Virginia — Rosslyn (Arlington Exp. Farm):
Harold H. McKinney, M.S., *Sr. Path.* (*wheat and corn virus diseases*).
Lytton W. Boyle, M.S., Ph.D., *Asst. Path.* (*wheat and corn virus diseases*).
Robert W. Leukel, M.S., *Assoc. Path.* (*wheat, oat, and barley diseases*).
Victor F. Tapke, B.S., Ph.D., *Path.* (*wheat, oat, and barley smuts*).
John W. Taylor, M.S., *Assoc. Agron.* (*wheat, oat, and barley production, breeding, and genetics*).

Washington—Pullman:
Edward F. Gaines, Sc.D., *Agt.* (*wheat and oat breeding*).
Charles S. Holton, M.S., Ph.D., *Agt.* (*wheat and oat smuts*).
Orville A. Vogel, M.S., *Agt.* (*wheat production and breeding*).

Wisconsin—Madison:
James G. Dickson, M.S., Ph.D., *Agt.* (*barley diseases*).
Allan D. Dickson, Ph.D., *Agt.* (*barley malting studies*).
Paul E. Hoppe, B.S., *Assoc. Path.* (*corn diseases*).
Ruebush G. Shands, M.S., Ph.D., *Agt.* (*barley and wheat breeding*).
Helen Johann, M.A., *Assoc. Path.* (*wheat and corn diseases*).
Chester Barlow, *Asst. Sci. Aid.* (*barley, wheat, and corn diseases*).

DIVISION OF COTTON, RUBBER, AND OTHER TROPICAL PLANTS

O. F. Cook, Ph.B., D.Sc., *Prin. Bot., in charge.*

Crop Acclimatization, Cotton Production and Diseases, and Rubber Production Investigation:

C. B. Doyle, *Prin. Agron.*
L. G. Polhamus, *Assoc. Tech.*
R. L. Taylor, *Chief Sci. Aid.*
Rachel P. Lane, B.A., *Jr. Libr. Asst.*
A. V. McMullen, *Asst. Sci. Aid.*
John T. Presley, *Asst. Sci. Aid.*
Asa Y. Willis, Jr., *Under Sci. Helper.*

Field Stations:
Arizona—Sacaton (U.S. Field Sta.):
C. J. King, B.S., *Agron. and Supt.*
Eugene D. Eaton, *Jr. Path.*
Claude Hope, B.S., *Jr. Hort.*
T. R. Richmond, B.S., *Jr. Agron.*
Carl A. Mooseberg, *Sci. Aid.*
Orlan Parker, *Asst. Sci. Aid.*
California:
Bard (U.S. Acclimatization Garden):
R. E. Beckett, *Prin. Sci. Aid* (*Acting Supt.*).
R. S. Stitt, *Asst. Sci. Aid.*
R. J. Blackwell, *Under Sci. Helper*
Edward N. Duncan, *Under Sci. Helper.*

Crop Acclimation, etc.—Continued.
FIELD STATIONS—Continued.
California—Continued.
Shafter (U.S. Cotton Field Sta.):
F. W. Herbert, *Prin. Sci. Aid (Acting Supt.)*
J. W. Hubbard, *Jr. Agron.*
J. E. Hite, B.S., M.A., *Agt.*
John W. Carter, *Asst. Sci. Aid.*
Torrey Pines (U.S. San Diego Acclimatization Garden):
C. G. Marshall, *Asst. Agron. and Supt.*
H. G. McKeever, *Assoc. Agron.*
A. D. Harvey, *Asst. Sci. Aid.*
Louis Wankum, *Under Sci. Helper.*
Florida:
Coconut Grove (U.S. Plant Introtion Garden):
H. F. Loomis, *Assoc. Agron.*
Alfred Keys, *Assoc. Hort.*
Joseph L. Fennell, *Asst. Sci. Aid.*
Harlan H. Hill, *Asst. Sci. Aid.*
J. A. Elder, *Under Sci. Helper.*
Georgia—Atlanta:
C. A. McLendon, *Agt.*
Haiti—Thor:
F. C. Baker, B.S., *Sr. Technol. and Supt.*
New Mexico—State College (U. S. Acclimatization Field Sta.):
A. R. Leding, *Chief Sci. Aid. (Acting Supt.)*
L. R. Lytton, *Asst. Sci. Aid.*
North Carolina—Raleigh:
J. A. Shanklin, M.S., *Asst. Agr. Econ.*
South Carolina—James Island, near Charleston (U.S. Acclimatization Field Sta.):
D. M. Simpson, B.S., *Assoc. Agron. and Supt.*
W. H. Jenkins, B.S., *Assoc. Agron.*
J. S. Townsend, *Tech.*
Robert T. Stutts, *Jr. Tech.*
W. W. Ballard, *Chief Sci. Aid.*
W. E. Townsend, *Agt.*
R. S. Bailey, *Asst. Sci. Aid.*
J. P. Royall, *Under Sci. Helper.*
Texas:
Austwell:
J. H. Kinsler, *Collab.*
Greenville (U.S. Cotton Breeding Field Sta.):
H. C. McNamara, B.S., *Assoc. Agron. and Supt.*
D. C. Neal, A.M. Ph.D., *Sr. Path.*
D. R. Hooton, B.S., *Asst. Pomol.*
Kenneth C. Gunn, *Asst. Sci. Aid.*
D. D. Porter, *Asst. Sci. Aid.*
Robert E. Wester, *Asst. Sci. Aid.*
R. F. Saunders, *Agt.*
San Antonio:
L. G. McLean, *Sci. Aid.*

DIVISION OF DRUG AND RELATED PLANTS

W. W. Stockberger, Ph.D., *Prin. Physiol., in charge.*

Drug and Poisonous Plants, Volatile Oil, and Oil Seed Crops Investigations:
Arthur F. Sievers, Pharm.G., B.S., *Sr. Biochem.*
———, *Sr. Biochem.*
Frank Rabak, Pharm.G., B.S., *Assoc. Biochem.*
Morris S. Lowman, B.A., *Asst. Biochem.*
James W. Kelly, Phar.D., *Jr. Biochem.*

Hop Disease Investigations:
FIELD HEADQUARTERS:
Oregon—Corvalis:
E. N. Bressman, M.S., Ph.D., *Agt.*
G. R. Hoerner, M.S., *Agt.*

DIVISION OF DRY LAND AGRICULTURE

Clyde E. Leighty, Ph.D., *Prin. Agron., in charge.*
John S. Cole, B.S., *Sr. Agron.*

NORTHERN FIELD STATIONS (hdqrs., Mandan, N.Dak.):
John M. Stephens, B.S., *Prin. Agr. and Supvr., Northern group.*
Colorado—Akron:
Joseph F. Brandon, B.S., *Assoc. Agron., Supt.*
Montana:
Havre:
George W. Morgan, B.S., *Assoc. Agron., Supt.*
Huntley:
Arthur E. Seamans, B.S., *Assoc. Agron.*
Moccasin:
John E. Norton, M.S., *Agt. Supt.*
Nebraska—North Platte:
Leslie L. Zook, B.S., *Assoc. Agron.*
Harry E. Weakly, M.S., *Jr. Agron.*
North Dakota:
Dickinson:
Leroy Moomaw, B.S., *Assoc. Agron., Supt.*
Mandan (hdqrs. of Supvr., Northern group):
William P. Baird, B.S., *Assoc. Hort.*
Johnson T. Sarvis, M.S., *Assoc. Agron.*
John C. Thysell, B.S., *Assoc. Agron.*
Thomas K. Killand, B.S., *Sr. Sci. Aid.*
Ernest J. George, B.S., *Asst. Sil.*
Oregon—Pendleton:
David E. Stephens, B.S., *Sr. Agron., Supt.*
George A. Mitchell, B.S., *Asst. Agron.*
Merrill M. Oveson, M. S., *Agt.*
South Dakota—Newell:
Albert Osenbrug, B.S., *Assoc. Agron.*
Wyoming:
Archer:
August L. Nelson, M.S., *Assoc. Agron., Supt.*
Sheridan:
Ray S. Towle, B.S., *Assoc. Agron., Supt.*
Ralph M. Williams, B.S., *Jr. Agron.*

SOUTHERN FIELD STATIONS (hdqrs., Woodward, Okla.):
Ellery F. Chilcott, B.S., *Sr. Agr. and Supvr., Southern group.*
Kansas:
Colby:
Embert H. Coles, B.S., *Assoc. Agron., Supt.*
Joseph B. Kuska, B.S., *Assoc. Agron.*
Garden City:
Richard L. von Trebra, B.S., *Agt.*
Hays:
Alanson L. Hallsted, B.S., *Assoc. Agron.*
Arthur E. Mortensen, M.S., *Agt.*
New Mexico—Tucumcari:
Donald R. Burnham, B.S., *Assoc. Agron., Supt.*
Oklahoma:
Lawton:
Walter M. Osborn, B.S., *Assoc. Agron., Supt.*
Woodward (hdqrs. of supvr., Southern group):
Oscar R. Mathews, M.S. *Assoc. Agron.*
Lowell F. Locke, B.S., *Assoc. Hort.*
Harry J. Clemmer, B.S., *Assoc. Agron.*
Ivan A. Lucas, *Agt.*
Texas:
Big Spring:
Fred E. Keating, B.S., *Assoc. Agron., Supt.*

SOUTHERN FIELD STATIONS—Continued.
Texas—Continued.
Dalhart:
Benjamin F. Barnes, B.S., *Assoc. Agron. Supt.*

DIVISION OF EGYPTIAN COTTON BREEDING

T. H. Kearney, LL.D., *Prin. Physiol., in charge.*

Egyptian Cotton Breeding Investigations:
FIELD STATION:
Arizona—Sacaton:
George J. Harrison, B.L., *Assoc. Agron.*
Harold J. Fulton, B.S., *Asst. Agron.*

Cytological and Genetic Investigations of Cotton.
California—Riverside (Rubidoux Laboratory):
John M. Webber, M.S., Ph.D., *Assoc. Cytol.*

DIVISION OF FIBER PLANT INVESTIGATIONS

Lyster H. Dewey, B.S., *Sr. Bot., in charge.*
H. T. Edwards, B.S., *Sr. Technol.*

FIELD HEADQUARTERS:
Oregon—Corvallis:
Brittain B. Robinson, M.S., Ph.D., *Asst. Pl. Breeder.*
Wisconsin—Madison:
A. H. Wright, M.S., *Agt.*

DIVISION OF FORAGE CROPS AND DISEASES

Adrian J. Pieters, Ph.D., *Prin. Agron., in charge.*

Alfalfa, Silage, and Root Crops:
Harvey L. Westover, B.S., *Sr. Agron.*

Red Clover and Other Clovers:
Eugene A. Hollowell, M.S., Ph.D., *Agron.*

Soybeans, Cowpeas, Pigeon Peas, and Velvetbeans:
William J. Morse, B.S., *Sr. Agron.*

Southern Pastures and Grasses:
Harry N. Vinall, M.S., *Sr. Agron.*

Sorghums:
Harry N. Vinall, M.S., *Sr. Agron.*

Sweetclover, Crimson Clover, and White Clover:
Leonard W. Kephart, B.S., *Sr. Agron.*

Vetches, Crotalarias, Bur Clovers, and Green Manuring.
Roland McKee, B.S., *Sr. Agron.*

Fine Turf:
Adrian J. Pieters, Ph.D., *Prin. Agron.*

Northern Grasses and Pastures, Lawns:
Charles R. Enlow, M.S., *Assoc. Agron.*

Lespedeza, Acid-tolerant Legumes and Miscellaneous Legumes:
Adrian J. Pieters, Ph.D., *Prin. Agron.*
Roland McKee, B.S., *Sr. Agron.*

Arlington Farm Grass Garden and Greenhouse Work:
Percy L. Ricker, M.S., *Asst. Bot.*

Seed Storage and Shipment:
Fred C. Hall, *Sr. Sci. Aid.*

FIELD HEADQUARTERS:
California—Riverside:
James L. Weimer, A.M., Ph.D., *Sr. Path.*
Florida—Gainesville:
George E. Ritchey, M.S., *Assoc. Agron.*
Georgia—Tifton:
James L. Stephens, B.S., *Agt.*
Iowa—Ames:
F. Scott Wilkins, M.S., *Agt.*
Kansas:
Hays:
David A. Savage, B.S., *Asst. Agron.*
Manhattan:
Clarence O. Grandfield, M.S., *Asst. Agron.*
Louisiana—Jeanerette:
Robert B. Carr, B.S., *Agt.*
Maryland—Beltsville:
Mason A. Hein, M.S., *Asst. Agron.*
Herbert L. Wilkins, B.S., *Asst. Chem.*
Michigan—Augusta:
A. B. Dorrance, M.S., *Asst. Agron.*
Mississippi:
Stoneville:
Paul R. Henson, B.S., *Asst. Agron.*
West Point:
Tyler F. Akers, M.S., *Asst. Agron.*
Missouri—Columbia:
E. Marion Brown, B.S., M.A., *Agt.*
Montana—Moccasin:
Harold E. Tower, B.S., *Agt.*
Nebraska—Lincoln:
Hewitt M. Tysdal, M.S., Ph.D., *Assoc. Agron.*
North Carolina:
Statesville:
Rhea E. Stitt, M.S., *Asst. Agron.*
Willard:
William M. Stuart, Jr., B.S., *Asst. Agron.*
Ohio:
Holgate:
Jackson L. Cartter, M.S., *Asst. Agron.*
David Heusinkveld, M.S., *Asst. Agron.*
North Ridgeville:
Morgan W. Evans, M.S., *Assoc. Agron.*
Oregon—Corvallis:
Harry A. Schoth, M.S., *Assoc. Agron.*
Pennsylvania—Kylertown:
Ernest B. Coffman, B.S., *Sr. Sci. Aid.*
South Carolina—Columbia:
William A. Carnes, *Agt.*
South Dakota—Redfield:
Samuel Garver, B.S., *Assoc. Agron.*
Texas—Chillicothe:
Joseph C. Stephens, M.S., *Asst. Agron.*
Vermont—Middlebury:
Robert F. Copple, M.S., *Asst. Agron.*
Virginia—Rosslyn (Arlington Exp. Farm):
Guy C. Fuller, B.S., *Sr. Sci. Aid.*
Howard L. Hyland, B.S., *Sr. Sci. Aid.*
Howard W. Johnson, M.S., Ph.D., *Assoc. Path. (leaf-hopper inves.).*
Anselm T. Stone, *Sci. Aid.*
West Virginia—Morgantown:
Robert R. Robinson, B.S., *Agt.*
Wisconsin—Madison:
Fred R. Jones, M.S., Ph.D., *Sr. Path.*
Cecil E. Yarwood, B.S., *Agt.*

DIVISION OF FOREIGN PLANT INTRODUCTION

B. Y. Morrison, B.S., M.L.A., *Prin. Hort. in charge.*

Foreign Explorations:
FIELD HEADQUARTERS:
Florida—Coconut Grove:
David Fairchild, D.Sc., *Prin. Agr. Expl.*
China—Likiang:
Joseph F. Rock, LL.D., *Collab.*

Foreign Explorations—Continued.
FIELD HEADQUARTERS—Continued.
New York—New York:
A. V. Armour, *Collab.*

Experimenters' Service:
W. E. Whitehouse, M.S., Ph.D., *Hort.*
R. A. Young, B.S., *Assoc. Hort.*
J. C. Long, B.S., *Jr. Pom.*
W. R. Poore, *Sr. Foreman Gardener.*
William Jones, *Sci. Aid.*
Mabel I. Yates,* *Asst. Sci. Aid.*
FIELD HEADQUARTERS:
Arizona—Superior:
F. J. Crider, *Collab.*
California—Chico:
J. E. Morrow, *Supt.*
B. D. Douglas, *Sr. Pl. Prop.*
C. H. Jackson, *Sr. Pl. Prop.*
D. M. Wallen, *Jr. Sci. Aid.*
Florida—Coconut Grove:
T. A. Fennell, *Prin. Sci. Aid.*
J. H. Heuer, *Asst. Sci. Aid.*
G. W. Kosel, Jr., *Asst. Sci. Aid.*
Georgia—Savannah:
David A. Bisset. *Chief Sci. Aid.*
Maryland—Glenn Dale:
H. A. Gunning, B.S., *Assoc. Hort., Supt.*
C. C. Thomas, M.A., *Hort.*
A. W. Close, *Prin. Sci. Aid.*
J. W. Mullican, *Head Gardener.*

Plant Geography in Relation to Plant Industry:
C. O. Erlanson, B.A., M.S., *Assoc. Ecol.*
Paul G. Russell. B.A., M.S., *Asst. Bot.*

Erosion Plant Studies:
Samuel B. Detwiler, B.S.F., *Prin. Path.*
FIELD HEADQUARTERS:
Louisiana—Shreveport:
Leo B. Scott, B.S., *Sr. Pomol.*
North Carolina—Willard:
Edgar L. Evinger, M.S., *Jr. Path.*
Wyoming—Cheyenne:
Charles F. Swingle, Ph.D., *Assoc. Pomol.*

DIVISION OF FOREST PATHOLOGY

Haven Metcalf, M.A., Ph.D., *Prin. Path., in charge.*
R. Kent Beattie, B.S., M.A., *Prin. Path.*
Carl Hartley, M.A., Ph.D., *Prin. Path.*
G. F. Gravatt, M.S., *Sr. Path.*
G. G. Hedgecock, M.A., Ph.D., *Sr. Path.*
J. L. Bedwell, B.S.F., M.S., Ph.D., *Assoc. Path.*
Annie R. Gravatt,* B.A., M.S., *Assoc. Path.*
Ross W. Davidson, M.S., *Asst. Mycol.*
Ruby J. Acree,* *Jr. Path.*
Russell B. Clapper, *Sr. Sci. Aid.*
Marvin E. Fowler, M.A., *Asst. Sci. Aid.*
Margaret M. Ryan, M.A., *Asst. Sci. Aid.*

FIELD HEADQUARTERS:
California—San Francisco:
E. P. Meinecke, Ph.D., *Prin. Path.*
Willis W. Wagener, B.A., M.S., *Path.*
Lake S. Gill, B.A., M.A., *Assoc. Path.*
Ernest Wright, B.S.F., M.S., *Jr. Path.*
Connecticut—New Haven:
J. S. Boyce, M.F., M.A., Ph.D., *Prin. Path.*
Perley Spaulding, M.S., Ph.D., *Sr. Path.*
Glenn G. Hahn, M.S., Ph.D., *Path.*
Rush P. Marshall, M.S., Ph.D., *Assoc. Path.*
J. R. Hansbrough, PhB., M.A., *Asst. Path.*
Theodore T. Ayers, M.A., Ph.D., *Agt.*
Louisiana—New Orleans:
Paul V. Siggers, M.S., *Assoc. Path.*
Ralph M. Lindgren, M.S., *Asst. Path.*
Theo. C. Scheffer, B.F., M.S., *Agt.*
George H. Hepting, Ph.D., *Field Asst.*

FIELD HEADQUARTERS—Continued.
New Mexico—Albuquerque:
W. H. Long, M.A., Ph.D., *Sr. Path.*
Bessie E. Futrell,* *Sci. Aid.*
Oregon—Portland:
H. G. Lachmund, B.A., *Path.*
J. L. Mielke, B.S.F., M.S., *Asst. Path.*
Thomas W. Childs, B.S., *Agt.*
Thomas S. Buchanan, *Agt.*
Pennsylvania—Philadelphia:
K. D. Doak, M.S., Ph.D., *Asst. Path.*
Lyle W. R. Jackson, M.S., Ph.D., *Asst. Path.*
Rhode Island—Providence:
Alma M. Waterman, M.A., Ph. D., *Asst. Path.*
M. A. McKenzie, Ph.B., M.A., *Agt.*
Washington—Pullman:
G. G. Hedgecock, M.A., PhD., *Sr. Path.*
Wisconsin—Madison:
C. Audrey Richards, M.A., Ph.D., *Path.*
Caroline T. Rumbold, B.L., M.A., D. Oec. publ., Ph.D., *Assoc. Path.*
Mae Spradling, B.S., M.Ph., *Asst. Sci. Aid.*
E. E. Seeliger, *Jr. Sci. Aid.*

DIVISION OF FRUIT AND VEGETABLE CROPS AND DISEASES

Eugene C. Auchter, M.S., Ph.D., *Prin. Hort., in charge.*
H. P. Gould, M.S., *Sr. Pomol.*
W. W. Gilbert, M.S., *Sr. Path.*
W. R. Beattie, M.S., *Sr. Hort.* (*radio specialist*).

Horticulture:
Regional Development of Horticulture Industry.
L. C. Corbett, M.S., D.Agr., *Prin. Hort.*
Deciduous Fruit and Nut Production Investigations:
John R. Magness, M.S., Ph.D., *Prin. Pomol.*
H. P. Gould, M.S., *Sr. Pomol.*
Clarence A. Reed, B.S., M.H., *Assoc. Pomol.* (*nut culture inv.*).
I. W. Dix, *Sr. Sci. Aid* (*grape inv.*).
FIELD HEADQUARTERS:
Alabama—Spring Hill:
A. C. Gossard, M.S., *Asst. Pomol.* (*nut culture inv.*).
California:
Fresno:
Elmer Snyder, B.S., *Pomol.* (*grape inv.*).
Frank N. Harmon, B.S., M.A., *Jr. Pomol.*
Palo Alto:
William F. Wight, B.S., A.M., *Bot.* (*fruit breeding*).
Lester A. Thompson, *Sr. Agr. Aid* (*fruit breeding*).
Riverside:
A. D. Shamel, B.S., *Prin. Physiol.* (*bud selection*).
C. S. Pomeroy, Ph.B., B.S., *Assoc. Pomol.* (*bud selection*).
R. E. Caryl, B.S., M.H., *Asst. Pomol.* (*bud selection*).
Sacramento:
C. F. Kinman, B.S., *Pomol.* (*fruit production inv.*).
Milo N. Wood, M.S., *Pomol.* (*nut culture inv.*).
Georgia—Albany:
Harley L. Crane, M.S., Ph.D., *Hort.* (*nut culture inv.*).
Max B. Hardy, M.S., *Asst. Pomol.* (*nut culture inv.*).
Frederick N. Dodge, B.S., *Jr. Pomol.* (*nut culture inv.*).
Nathaniel H. Loomis, B.S., *Jr. Pomol.* (*nut culture inv.*).

Horticulture—Continued.
Regional Development of Horticulture Industry—Continued.
FIELD HEADQUARTERS—Continued.
Louisiana:
Robson:
J. L. Pelham, B.S., *Assoc. Pomol.* (*nut culture inv.*).
Shreveport:
B. G. Sitton, M.S., Ph.D., *Assoc. Pomol.* (*nut culture inv.*).
Maryland—Glenn Dale:
George M. Darrow, A.M., Ph.D., *Sr. Pomol.* (*small fruits*).
Michigan—South Haven:
Stanley Johnston, B.S., *Agt.* (*fruit prod. inv.*).
Mississippi:
Meridian:
George P. Hoffmann, M.S., *Assoc. Hort.* (*nut culture inv.*).
Poplarville:
William S. Anderson, B.S., *Agt.* (*grape inv.*).
North Carolina:
Raleigh:
Ivan D. Jones, Ph.D., *Agt.* (*fruit prod. inv.*).
Willard:
Charles T. Dearing, B.S., *Assoc. Hort.* (*grape inv.*).
Oregon:
Corvallis:
Carl E. Schuster, M.S., *Hort.* (*nut culture inv.*).
George F. Waldo, M.S., *Asst. Pomol.* (*small fruits*).
Hood River:
Elmer V. Shear, B.S., *Assoc. Path.* (*perennial apple canker inv.*).
J. H. Crenshaw, A.B., *Agt.* (*perennial apple canker inv.*).
Jess R. Kienholz, M.S., *Jr. Path.* (*perennial apple canker inv.*).
Ellen D. Crew,* *Agt.* (*perennial apple canker inv.*).
Medford:
Willard W. Aldrich, M.S., Ph.D., *Asst. Hort.* (*pear produc. inv.*).
South Carolina—Columbia:
L. E. Scott, M.S., *Agt.* (*grape inv.*).
Texas:
Austin:
Charles L. Smith, Ph. D., *Assoc. Physiol.* (*nut culture inv.*).
Clifford J. B. Thor, M.A., Ph.D., *Agt.* (*nut culture inv.*).
Louis D. Romberg, B.S., *Agt.* (*nut culture inv.*)
Brownwood:
Joseph Hamilton, B.S.A., *Jr. Pomol.* (*nut culture inv.*).
Virginia—Rosslyn (Arlington Exp. Farm):
Frank P. Cullinan, M.S., Ph.D., *Sr. Pomol.* (*fruit prod. inv.*).
Louis O. Regeimbal, M.S., Ph.D., *Assoc. Physiol.* (*fruit production inv.*).
Elliott S. Degman, B.S., Ph.D., *Asst. Pomol.* (*fruit production inv.*).
Lewis A. Fletcher, M.S., Ph.D., *Asst. Pomol.* (*fruit production inv.*).
John H. Weinberger, Ph.D., *Asst. Pomol.* (*fruit production inv.*).
Washington—Wenatchee:
C. P. Harley, M.S., *Assoc. Physiol.* (*physiol. fruit prod. and perennial apple canker*).
Enoch L. Reeves, B.S., *Jr. Path.* (*perennial apple canker*).

Horticulture—Continued.
Regional Development of Horticulture Industry—Continued.
FIELD HEADQUARTERS—Continued.
Washington—Wenatchee—Con.
Mortimer P. Masure, M.S., *Jr. Physiol.* (*physiol. fruit prod.*).
Subtropical Fruit Production.
California—Pomona:
Joe R. Furr, Ph.D., *Asst. Hort.* (*lemon produc.*).
Florida—Orlando:
Hamilton P. Traub, M.S., Ph.D., *Hort.* (*subtropical fruit produc.*).
Plant Propagation, Nursery Management, and Stock Storage.
Guy E. Yerkes, B.S., *Hort.*
FIELD HEADQUARTERS:
Maryland:
College Park:
Frank E. Gardner, M.S., Ph.D., *Sr. Pomol. in charge.*
Michigan—South Haven:
Stanley Johnston, B.S., *Agt.* (*nursery stock inv.*).
Vegetable Production, Standardization, and Improvement:
Victor R. Boswell, M.S., Ph.D., *Sr. Hort.*
Sears P. Doolittle, M.S., Ph.D., *Sr. Path.* (*cucurbit, tomato, and lettuce diseases, and mosaic diseases of vegetables*).
Daniel N. Shoemaker, Ph.D., Hort. (*vegetable variety and Jerusalem artichoke inv.*).
S. L. Jodidi, Ph.D., *Physiol.* (*vegetable prod. inv.*).
J. H. Beattie, M.S., *Assoc. Hort.* (*vegetable prod. inv.*).
Ross C. Thompson, M.S., *Assoc. Hort.* (*vegetable prod. inv.*).
Mary K. Bryan, A.B., *Assoc. Path.* (*tomato diseases*).
William S. Porte, B.S., *Asst. Path.* (*vegetable breeding*).
F. L. Wellman, M.S., Ph.D., *Assoc. Path.* (*Cucurbit diseases and mosaic diseases of vegetables*).
Lester E. Barrett, LL.M., M.P.L., *Sci. Aid* (*vegetable produc. inv.*).
E. Q. Knight, *Sci. Aid* (*variety standardization*).
FIELD HEADQUARTERS:
California—Riverside:
Michael Shapovalov, A.B., M.S., *Sr. Path.* (*tomato diseases*).
South Carolina—Florence:
J. D. McCown, *Agt.* (*vegetable prod. inv.*).
Texas—Winter Haven:
L. R. Hawthorn, M.S., *Agt.* (*variety standardization*).
Virginia—Rosslyn (Arlington Exp. Farm):
Arthur C. Foster, M.S., *Sr. Path.* (*vegetable prod. inves.*).
Roy Magruder, Ph.D., *Oler.* (*variety standardization and breeding*).
Bryan L. Wade, M.S., Ph.D., *Assoc. Genet.* (*veg. breeding*).
C. E. Steinbauer, M.S., *Jr. Physiol.* (*vegetable prod. inves.*).
F. Sidney Beecher, *Sci. Aid* (*Cucurbit and tomato diseases*).
E. C. Tatman, *Asst. Sci. Aid* (*vegetable prod. inves.*).
Floriculture and Landscape Gardening Investigations:
F. L. Mulford, B.S., in Agr., *Assoc. Hort.*
D. V. Lumsden, M.S., *Jr. Hort.*
Bulb Culture Investigations:
David Griffiths, M.S., Ph.D., *Sr. Hort.*
FIELD HEADQUARTERS:
Washington—Bellingham:
B. L. Peters, *Sr. Sci. Aid.*
Howard A. Houser, *Sci. Aid.*

Horticulture—Continued.

Fruit and Vegetable Utilization Investigations:
- J. S. Caldwell, A.M., Ph.D., *Sr. Physiol.*
- C. A. Magoon, Ph.D., *Sr. Bact.*
- B. C. Brunstetter, M.S., Ph.D., *Assoc. Biochem.*
- Helen F. Smart,* A.B., *Asst. Path.*
- FIELD HEADQUARTERS:
  - Virginia—Rosslyn (Arlington Exp. Farm):
    - C. W. Culpepper, M.S., *Physiol.*
    - H. H. Moon, B.S., *Jr. Pomol.*
    - A. T. Myers, B.S., *Jr. Biochem.*
  - Washington—Seattle:
    - James A. Berry, M.S., *Agt.* (*Microbiol. inv.*).

Fruit and Vegetable Handling, Transportation, and Storage Investigations:
- Durward F. Fisher, B.S., M.H., *Prin. Hort.*
- Dean H. Rose, M.A., Ph.D., *Sr. Physiol.*
- Charles Brooks, A.M., Ph.D., *Prin. Path.*
- R. C. Wright, M.S., *Physiol.*
- Mark H. Haller, M.S., Ph.D., *Asst. Promol.*
- Erston V. Miller, M.S., Ph.D., *Asst. Physiol.*
- A. F. Wahlstrom, *Draftsman.*
- FIELD HEADQUARTERS:
  - California:
    - Fresno:
      - W. T. Pentzer, M.S., *Asst. Physiol.*
      - C. E. Asbury, M.S., *Jr. Pomol.*
    - Indio:
      - Wm. R. Barger, B.S., *Assoc. Physiol.*
    - Pomona:
      - C. W. Mann, B.S., *Sr. Pomol.*
      - E. M. Harvey, A.B., Ph.D., *Physiol.*
      - Wm. C. Cooper, B.S., *Jr. Pomol.*
      - G. Leonard Rygg, M.S., *Jr. Pomol.*
  - Florida—Orlando:
    - John R. Winston, M.S., *Sr. Hort.*
  - Illinois—Chicago:
    - G. B. Ramsey, A.M., Ph.D., *Sr. Path.* (*market diseases, fruits and vegetables*).
    - Alice A. Bailey, M.S., *Asst. Path.* (*market diseases, fruits and vegetables*).
  - New York—New York:
    - C. O. Bratley, Ph.D., *Assoc. Path.* (*market diseases, fruits and vegetables*).
    - James S. Wiant, Ph.D., *Assoc. Path.* (*market diseases, fruits and vegetables*).
  - Virginia—Rosslyn (Arlington Exp. Farm):
    - Earl D. Mallison, B.S., *Asst. Mkt. Spec.*
    - Paul L. Harding, M.A., Ph.D., *Asst. Hort.*
    - Jacob M. Lutz, B.S., *Jr. Physiol.*
    - T. M. Whiteman, B.S., *Jr. Hort.*
    - R. L. Newton, *Prin. Mech.*
    - E. A. Gorman, *Sci. Aid.*
    - Lacy McColloch, *Asst. Sci. Aid.*
  - Washington:
    - Seattle:
      - H. C. Diehl, B.S., *Sr., Physiol.*
    - Wenatchee:
      - Edwin Smith, B.S., *Hort.*
      - Fisk Gerhardt, M.S., Ph.D., *Physiol.*
      - Boyce D. Ezell, M.S., *Asst., Hort.*
    - Yakima:
      - A. L. Ryall, M.S., *Asst. Pomol.*

Horticulture—Continued.

Potato Investigations:
- William Stuart, D.Sc., *Sr. Hort.*
- Edwin H. Milstead, *Chief Sci. Aid.*
- FIELD HEADQUARTERS:
  - Colorado—Greeley:
    - W. C. Edmundson, M.S., *Hort.*
  - Maine—Presque Isle:
    - P. M. Lombard, B.S., *Assoc. Hort.*
    - C. F. Clark, M.S., Ph.D., *Assoc. Hort.*
  - Maryland—College Park:
    - John H. Beaumont, Ph.D., *Agt.*
  - New York—Ithaca:
    - J. J. McAllister, *Agt.*
    - A. A. Warren, B.S., *Agt.*
    - Helene A. Nusslé, B.A., *Agt.*
  - Virginia—Rosslyn (Arlington Exp. Farm):
    - Frederick J. Stevenson, M.S., Ph.D., *Geneticist.*

Cheyenne Horticultural Field Station.
- FIELD HEADQUARTERS.
  - Wyoming—Cheyenne:
    - A. C. Hildreth, Ph.D., *Agt.* (*Prin. Hort. and Supt.*).
    - John L. Emerson, B.S., *Agt.* (*Shelter Belt Investigations*).
    - M. F. Babb, B.S., *Agt.* (*vegetable inv.*).
    - John D. Kelso, *Prin. Sci. Aid.*

Crop Physiology and Breeding:
- Walter T. Swingle, M.S., D.Sc., *Prin. Physiol.*
- Lauriston C. Marshall, Ph.D., *Physicist* (*tech. studies in plant physiological inv.*).
- Eugene May, Jr., *Prin. Sci. Aid* (*citrus breeding and life-history studies*).
- Robert D. Thompson, *Asst. Gardener.*
- FIELD HEADQUARTERS:
  - Arizona—Sacaton:
    - Robert H. Peebles, *Chief Sci. Aid.* (*date inv.*).
  - California:
    - Indio:
      - Roy W. Nixon, B.S., *Assoc. Hort.* (*date inv.*).
      - Dewey C. Moore, *Sci. Aid* (*date inv.*).
      - Carl L. Crawford, *Asst. Sci. Aid* (*date inv.*).
    - Los Angeles:
      - F. A. Thackery, *Sr. Agr.* (*date inv.*).
  - Florida—Eustis:
    - E. M. Savage, *Asst. Pl. Breeder* (*citrus breeding and life-history studies*).
    - Terre Ceia:
      - T. Ralph Robinson, A.M., *Sr. Physiol.*, (*citrus breeding and life-history studies*).
  - Maryland—Bethesda:
    - Robert J. Bullen, *Sr. Sci. Aid* (*citrus breeding and life-history studies*).

Fruit Disease Investigations:
- Merton B. Waite, B.S., D.Agr., *Prin. Path.*
- Harry R. Fulton, A.M., *Prin. Path.* (*citrus and subtropical fruit disease inv.*).
- John W. Roberts, A.M., Ph.D., *Sr. Path.* (*orchard spraying inv.*).
- Marion C. Goldsworthy, M.S., Ph.D., *Assoc. Path.* (*fungicides*).
- Edmund L. Green, B.S., *Assoc. Biochem.* (*fungicides*).
- J. S. Cooley, M.S., Ph.D., *Sr. Path.* (*Perennial apple canker inves.*).
- H. F. Bain, B.A., M.S., *Sr. Path.* (*grape and small-fruit disease inv.*).
- Eugene A. Siegler, B.A., M.S., *Path.* (*crown gall inv.*).
- Nellie A. Brown, A.B., *Assoc. Path.* (*crown gall inv.*).

Fruit Disease Investigations—Continued.

J. Marion Shull, *Assoc. Bot.* (*general orchard disease inv.*).
John J. Bowman, M.S., *Asst. Path.* (*citrus and subtropical fruit disease inv.*).
Marguerite S. Wilcox, *Sci. Aid* (*grape and small-fruit disease inv.*).
Ralph B. Piper, *Sci. Aid* (*crown gall inv.*).

FIELD HEADQUARTERS:

Alabama—Spring Hill:
Howard E. Parson, M.S., *Asst. Path.* (*pecan and other nut diseases*).
Arkansas—Fayetteville:
John C. Dunegan, B.S., *Assoc. Path.* (*orchard spraying inv.*).
California—Fresno:
W. S. Ballard, A.B., *Sr. Path.* (*physiological fruit disease inv.*).
Florida—Orlando:
Harold E. Stevens, M.S., *Sr. Path.* (*citrus and subtropical fruit disease inv.*).
John F. Wootten, *Prin. Sci. Aid* (*citrus and subtropical fruit disease inv.*).
Georgia:
Albany:
Juan B. Demaree, B.S., *Path.* (*pecan and other nut disease inv.*).
J. R. Large, M.S., *Jr. Path.* (*pecan diseases*).
Fort Valley:
Lee M. Hutchins, Ph.D., *Sr. Path.* (*phony pecan inv.*).
John L. Rue, *Sci. Aid* (*phony peach inv.*).
Indiana—Vincennes:
Leslie Pierce, *Prin. Sci. Aid* (*orchard spraying inv.*).
Louisiana—Shreveport:
John R. Cole, M.S., *Assoc. Path.* (*pecan and other nut disease inv.*).
Massachusetts:
Amherst:
Herbert F. Bergman, M.S., Ph.D., *Sr. Path.* (*grape and small fruit disease inv.*).
East Wareham:
Walter E. Truran, *Agt.* (*cranberry disease inv.*).
Joseph L. Kelley, *Agt.* (*cranberry disease inv.*).
Missouri—Springfield:
Marion A. Smith, M.S., *Assoc. Path.* (*orchard spraying inv.*).
Howard B. Johnson, B.S., *Jr. Path.* (*orchard spraying inv.*).
New Jersey—Pemberton:
R. B. Wilcox, M.S., *Assoc. Path.* (*grape and small-fruit disease inv.*).
North Carolina—Chadbourn:
G. A. Meckstroth, M.A., *Assoc. Path.* (*strawberry diseases*).
Oregon:
Corvallis:
Paul W. Miller, M.S., Ph.D., *Assoc. Path.* (*nut disease inv.*).
Virginia—Rosslyn (Arlington Exp. Farm):
Herbert J. Dodd, *Asst. Sci. Aid* (*general fruit disease and breeding inv.*).
Wisconsin—Madison:
Albert J. Riker, A.M., Ph.D., *Collab.* (*crown gall inv.*).

Diseases of Truck Crops and Ornamentals:

Leonard L. Harter, M.S., Ph.D., *Sr. Path.* (*sweetpotato and bean diseases*).
E. S. Shultz, M.S., Ph.D., *Sr. Path.* (*potato diseases and curly top of vegetables*).

Diseases of Truck Crops and Ornamentals—Continued.

Freeman Weiss, Ph.D., *Path.* (*diseases of ornamental plants*).
Charles Drechsler, M.S., Ph.D., *Path.* (*taxonomy of fungi*).
Walter P. Raleigh, Ph.D., *Assoc. Path.* (*potato diseases*).
Lucia McCulloch, B.S., *Assoc. Path.* (*diseases of ornamental plants*).
Florence Hedges, A.B., *Assoc. Path.* (*bean diseases*).
William J. Zaumeyer, M.S., Ph.D., *Assoc. Path.* (*bean diseases*).
Lillian C. Cash, A.B., *Asst. Path.* (*potato diseases*).
C. Fred Andrus, M.A., *Jr. Path.* (*bean diseases*).
Thelma B. Post,* M.A., *Sci. Aid* (*diseases of ornamental plants*).

FIELD HEADQUARTERS:

California:
Chula Vista:
Ivan C. Jagger, M.S., *Sr. Path.* (*lettuce and other vegetable crop diseases*).
Norman Chandler, B.S., *Jr. Pl. Breeder* (*lettuce and other vegetable crop diseases*).
Los Angeles:
Howard G. MacMillan, M.S., Ph.D., *Sr. Path.* (*fusarium diseases of vegetables*).
Riverside:
Michael Shapovalov, A.B., M.S., *Sr. Path.* (*tomato and other vegetable crop diseases*).
Colorado—Greeley:
Lawrence A. Schaal, M.S., *Asst. Path.* (*potato diseases*).
New York—Ithaca:
Frank A. Haasis, B.S., *Collab.* (*diseases of ornamental plants*).
Oregon—Corvallis:
Bliss F. Dana, M. S., *Path.* (*curly top disease of vegetables*).
Theodore P. Dykstra, M.S., *Asst. Path.* (*potato diseases*).
F. P. McWhorter, M.S., Ph.D., *Agt.* (*diseases of ornamental plants*).
Horace H. Millsap, *Agt.* (*diseases of ornamental plants*).
South Carolina—Charleston:
Wm. D. Moore, M.S., Ph.D., *Assoc. Path.* (*bean and pea diseases*).
Utah—Logan:
H. L. Blood, M.S., Ph.D., *Agt.* (*tomato diseases*).
Frank B. Wann, Ph.D., *Agt.* (*tomato diseases*).
Virginia—Rosslyn (Arlington Exp. Farm):
Philip Brierley, M.S., Ph.D., *Asst. Path.* (*diseases of ornamental plants*).
H. B. Walker, *Under Scien. Helper.*
Wisconsin—Madison:
John C. Walker, M.S., Ph.D., *Agt.* (*onion and cabbage diseases*).
Lester M. Blank, M.S., Ph.D., *Asst. Path.* (*onion and cabbage diseases*).

Plant Physiology:

Frank L. Goll, *Sr. Physiol.*
K. S. Markley, M.S., Ph.D., *Assoc. Biochem.*

Pathological Laboratory:

Edna H. Fawcett, B.L., *Asst. Path*
Agnes J. Quirk, *Sr. Sci. Aid.*

DIVISION OF GARDENS AND GROUNDS

J. Wise Byrnes, *Asst. in charge.*

DIVISION OF GENETICS AND BIOPHYSICS

G. N. Collins, *Prin. Bot., in charge.*
J. H. Kempton, *Bot.*
J. O. Belz, Ph.B., M.Di., *Assoc. Biophys.*
L. H. Flint, M.S., Ph.D., *Assoc. Physiol.*
A. E. Longley, B.S., A.M., Ph.D., *Assoc. Bot.*
John W. McLane, B.S., *Asst. Biophys.*
William D. Donahoo, *Sr. Lab. Mech.*

FIELD HEADQUARTERS:

Virginia—Rosslyn (Arlington Exp. Farm):
Bruce Caldwell, *Asst. Sci. Aid.*

DIVISION OF MYCOLOGY AND DISEASE SURVEY

Cornelius L. Shear, A.M., Ph.D., *Prin. Path., in charge.*

Mycological Collections:

John A. Stevenson, B.S., *Sr. Mycol., in charge.*
Vera K. Charles, A.B., *Assoc. Path.*
William W. Diehl, M.S., Ph.D., *Assoc. Path.*
Anna E. Jenkins, M.S., Ph.D., *Assoc. Path.*
Edmund B. Lambert, M.S., Ph.D., *Assoc. Path.*
Edith K. Cash, A.B., *Asst. Path.*
Harriet M. Daly,* *Asst. Sci. Aid.*
Leston R. Fate, B.A., *Asst. Sci. Aid.*
Josie B. Dishman,* *Jr. Sci. Aid.*
Edna M. Ermold, A.B., *Jr. Sci. Aid.*

Plant Disease Survey:

———, *Sr. Path., in charge.*
Jessie I. Wood, A.M., *Asst. Path.*
Paul R. Miller, A.B., M.S., *Jr. Path.*
Nellie W. Nance, A.B., *Sr. Sci. Aid.*
Aline F. Kempton, A.B., *Sci. Aid.*

NATIONAL ARBORETUM

Frederick V. Coville, A.B., D.Sc., *Prin. Bot., Acting Dir.*

DIVISION OF NEMATOLOGY

G. Steiner, M.A., Ph.D., *Sr. Nematol., in charge.*

Free-Living, Plant-Infesting, and Insect-Infesting Nemas:

Jesse R. Christie, M.S., *Assoc. Nematol.*
Edna M. Buhrer, A.B., *Jr. Nematol.*
Corinne Cooper, A.B., *Jr. Nematol.*
M. Louise Shaw,* M.A., *Jr. Nematol.*
Rowena R. LeHew,* B.S., *Jr. Nematol.*
Grace W. Sherman, A.B., *Jr. Nematol.*
Charles B. Bateman, *Sr. Lab. Mech.*
Florence E. Albin,* *Sci. Aid.*
Civella A. Brooks,* *Jr. Sci. Aid.*

FIELD HEADQUARTERS:

Utah—Salt Lake City:
Gerald Thorne, M.S., *Assoc. Nematol.*
Margaret N. Corder, *Jr. Sci. Aid.*
Washington—Sumner:
Wilbur D. Courtney, M.S., *Asst. Nematol.*

DIVISION OF PLANT DISEASE ERADICATION AND CONTROL

Karl F. Kellerman, D.Sc., *Prin. Bact., in charge.*

Barberry Eradication

Fred C. Meier, B.S., A.M., *Prin. Path., in charge.*
William L. Popham, B.S., *Sr. Path.*
Angie M. Beckwith, A.B., *Jr. Path.*

FIELD STATIONS:

District No. 1—Fargo, N.Dak. (Montana, North Dakota):
George C. Mayoue, M.S., *Assoc. Path.*
Harry E. Morris, M.S., *Agt.*
District No. 2—Brookings, S.Dak. (South Dakota, eastern Nebraska):
Raymond O. Bulger, M.S., *Agt.*
Marion E. Young, B.S., *Agt.*
District No. 3—Fort Collins, Colo. (Colorado, western Nebraska, Wyoming):
Ernest A. Lungren, M.S., *Assoc. Path.*
Illinois—Urbana:
Robert W. Bills, B.S., *Agt.*
Indiana—La Fayette:
Wayne E. Leer, M.S., *Agt.*
Iowa—Ames:
Donald R. Shepherd, B.S., *Agt.*
Massachusetts—Cambridge:
Lawrence M. Ames, Ph.D., *Agt.*
Michigan—East Lansing:
Francis B. Powers, B.A., *Agt.*
Minnesota—St. Paul:
Elvin C. Stakman, M.A., Ph.D., *Agt.*
Jonas J. Christensen, B.S., *Agt.*
Ralph U. Cotter, M.S., Ph.D., *Assoc. Path.*
Leonard W. Melander, M.S., Ph.D., *Assoc. Path.*
Gilbert D. George, *Agt.*
Ohio—Columbus:
Harry Atwood, M.S., *Agt.*
Wisconsin—Madison:
Vern O. Taylor, B.S., *Agt.*

Blister Rust Control

Eastern Control Program:

James F. Martin, M.S., Ph.D., *Sr. Path., in charge.*
Roy G. Pierce, A.B., M.S.F., *Assoc. Path.*
Eastern and Lake States (field hdqrs., Boston, Mass.):
Edmund C. Filler, B.S.F., *Sr. Path., Field Supervisor.*
Connecticut:
New Haven:
James E. Riley, Jr., B.S., M.F., *Assoc. Path., State Leader.*
Walter O. Filley, *Collab.*
Maine:
Auburn:
Guy H. Kimball, *Agt., Local Dist. Leader.*
Augusta:
Walter O. Frost, B.S.F., *Assoc. Path., State Leader.*
Neil L. Violette, A.B., LL.B., *Collab.*
Belfast:
Harrington G. Bradbury, Jr., *Agt., Local Dist. Leader.*
North Bridgton:
Daniel S. Curtis, *Agt., Local Dist. Leader.*
Waterville:
John MacG. White, B.S., *Agt., Local Dist. Leader.*
Massachusetts:
Arlington Heights:
William T. Roop, *Agt., Local Dist. Leader.*
Boston:
Carl C. Perry, B.S., M.F., *Agt., State Leader.*
Kirk K. Stimson, *Agt.*
Great Barrington:
George S. Doore, *Agt., Local Dist. Leader.*
North Abington:
Earle M. Brockway, B.S., *Agt., Local Dist. Leader.*
Taunton:
Lewis W. Hodgkins, *Agt.*
West Springfield:
Ralph E. Wheeler, *Agt., Local Dist. Leader.*

Eastern Control Program—Continued.
Eastern and Lake States—Continued.
Massachusetts—Continued.
Worcester:
William Clave, *Agt., Local Dist. Leader.*
Michigan:
Ann Arbor:
Dow V. Baxter, M.S.F., Ph.D., *Collab.*
Marquette:
George E. Bishop, *Collab.*
John K. Kroeber, B.S., *Agt., Local Dist. Leader.*
Newago:
Robert I. Thompson, B.S., *Agt., Local Dist. Leader.*
Minnesota—St. Paul:
Lawrence B. Ritter, B.S.F., *Jr. For., State Leader.*
New Hampshire:
Concord:
Leonard E. Newman, *Agt., State Leader.*
Thomas J. King, *Agt., Local Dist. Leader.*
John H. Foster, M.S., M.F., *Collab.*
Conway:
Stephen H. Boomer, B.S.F., *Agt., Local Dist. Leader.*
Exeter:
Lewis C. Swain, B.S.F., *Agt., Local Dist. Leader.*
Keene:
Frederick J. Baker, *Agt., Local Dist. Leader.*
Lebanon:
George F. Richardson, Jr., *Agt., Local Dist. Leader.*
Woodsville:
Thomas L. Kane, A.B., *Agt., Local Dist. Leader.*
New Jersey—Trenton:
Paul B. Mott, B.S.A., *State Leader.*
New York:
Albany:
H. L. McIntyre, *Collab., State Leader.*
George E. Stevens, *Collab.*
Boonville:
Theodore P. Woolschlager, B.S., *Agt., Local Dist. Leader.*
Gloversville:
John W. Charlton, B.S., *Agt., Local Dist. Leader.*
Gouverneur:
Charles B. Kresge, B.S., M.F., *Agt. Local Dist. Leader.*
Hyde Park:
Harrison G. Strait, *Agt., Local Dist. Leader.*
Lewis:
Benjamin H. Nichols, *Agt., Local Dist. Leader.*
Pulaski:
Harry W. Holcomb, *Agt., Local Dist. Leader.*
Sand Lake:
Herbert J. McCasland, B.S., *Agt., Local Dist. Leader.*
Saratoga Springs:
Phillip E. Barber, *Agt., Local Dist. Leader.*
Syracuse:
Ray R. Hirt, M.S., Ph.D., *Agt., Control Inves.*
Warrensburg:
Alfred E. Fivaz, B.S.F., *For., Control Inves.*
Noble H. Harpp, *Agt., Local Dist. Leader.*
Ernest G. Woodward, *Agt., Local Dist. Leader.*
Pennsylvania—Harrisburg:
Richard P. Fatzinger, B.S., *Agt., State Leader.*

Eastern Control Program—Continued.
Eastern and Lake States—Continued.
Rhode Island—Providence:
Archie W. Hurford, B.S., *Agt., State Leader.*
Vermont:
Bellows Falls:
Frank H. Rose, *Agt., Local Dist. Leader.*
Montpelier:
Perry H. Merrill, B.S., M.F., *Collab., State Leader.*
Wisconsin—Madison:
Theodore F. Kouba, B.S., *Agt., State Leader.*
Herman J. Ninman, M.S., *Agt.*
Paul D. Kelleter, A.B., M.F., *Collab.*

Western Control Program:
Gilbert B. Posey, M.S., *Sr. Path., in charge.*
Western States (field hdqrs., Spokane, Wash.):
Stephen N. Wyckoff, B.S., *Sr. Path., Field Supr.*
California:
Berkeley:
Warren V. Benedict, B.S.F., *Asst. For.*
Rene P. d'Urbal, A.B., *Asst. Chem.*
Clarence R. Quick, A.B., *Jr. Microan.*
Harold R. Offord, M.A., *Agt.*
George R. Van Atta, *Agt.*
Jack A. Vogtmann, *Agt.*
James P. Bennett, A.M., Ph.D., *Collab.*
Thomas H. Goodspeed, Ph.D., *Collab.*
Dennis R. Hoagland, M.A., *Collab.*
Thomas H. Harris, B.S.F., *Jr. For.*
Douglas R. Miller, B.S., *Jr. For.*
Los Angeles:
Carl C. Epling, M.S., Ph.D., *Collab.*
Sacramento:
George A. Root, M.S., *Assoc. Path., State Leader.*
Colorado—Fort Collins:
Burton O. Longyear, B.S., *Collab.*
Idaho—Moscow:
Ernest E. Hubert, M.S., Ph.D., *Agt.*
Frank A. Patty, M.S., *Asst. Path.*
Montana—Missoula:
Charles H. Johnson, B.S.F., *Assoc. Path., State Leader.*
Rutledge Parker, *Collab.*
Oregon:
Corvallis:
Leslie N. Goodding, B.A., B.S.F., B.Ped., *Assoc. Path., State Leader.*
Eugene:
Frank P. Sipe, M.S., *Collab.*
Utah—Salt Lake City:
Albert O. Garrett, A.B., *Collab.*
Washington:
Spokane:
Clarence C. Strong, B.S., *Assoc. For.*
Bernard A. Anderson, M.S.F., *Jr. For.*
Roy Blomstrom, B.S., *Jr. For.*
Marvin C. Riley, B.S.F., *Jr. For.*
Edward L. Joy, B.S., *Jr. For.*
William G. Guernsey, B.S., *Jr. For.*
John F. Breakey, B.S., *Agt.*
Clarence M. Chapman, *Agt.*
H. Miller Cowling, *Agt.*
Harry F. Geil, *Agt.*
Aaron H. Glasgow, *Agt.*
Homer J. Hartman, *Jr. For.*
Robert L. MacLeod, A.B., *Agt.*
Remley E. Myers, *Agt.*
Neal D. Nelson, *Agt.*
Fred F. Staat, B.S., *Agt.*

Western Control Program—Continued.
Western States—Continued.
Washington—Continued.
Spokane—Continued.
Herman E. Swanson, A.B., *Agt.*
Frank O. Walters, *Agt.*
Leland L. White, *Agt.*
Wisconsin—Milwaukee:
Henry N. Putnam, B.S., *Assoc. Path.*

Citrus Canker Eradication

FIELD HEADQUARTERS:
Louisiana—Baton Rouge:
W. E. Anderson, B.S., *State Ent. (Collab.).*
Texas—Austin:
J. M. Del Curto, B.S., *Collab., State Ent.*

Dutch Elm Disease Control

FIELD HEADQUARTERS:
O. N. Liming, *Technician, in charge of field work.*
Connecticut—Stamford:
L. R. Fate, *Facilitating Tech., State Leader.*
New Jersey—East Orange:
O. N. Liming, *Technician, in charge of field work.*
Herbert J. Dodd, *Asst. Sci. Aid., State Leader.*
New York—White Plains:
John F. Wootten, *Prin. Sci. Aid., State Leader.*

Phony Peach Eradication

FIELD HEADQUARTERS:
Georgia—Fort Valley:
William F. Turner, B.S., *Agt.*
Blish Breland, B.S., *Agt.*
James A. Beckham, *Agt.*
W. J. Braddy, *Agt.*
Paul W. Chapman, *Agt.*
L. M. Culpepper, *Agt.*
S. J. Ethridge, *Agt.*
Chester A. Lowe, *Agt.*
William D. Murray, *Agt.*
Charles W. Pittard, *Agt.*
Oliver V. Purvis, *Agt.*
Jonathan N. Rumph, *Agt.*
Julian E. Smith, *Agt.*
Joseph T. Stewart, *Agt.*
Claude V. Walton, *Agt.*
John B. Williams, B.S., *Agt.*
Dewey L. Varmette, *Chief Sci. Aid.*

DIVISION OF SEED INVESTIGATIONS

Edgar Brown, Ph.B., *Prin. Bot., in charge.*

Seed Testing:
Eben H. Toole, A.M., Ph.D., *Physiol.*
Emma F. Sirrine, M.S., *Assoc. Bot.*
Albina F. Musil, A.B., *Asst. Bot.*
Alice M. Andersen, A.M., *Asst. Physiol.*
Mildred Pladeck, M.S., *Jr. Bot.*
Helen A. Anderson, B.S., *Jr. Bot.*
Nelle B. Wilkinson, Ph.B., *Jr. Bot.*
Frankie M. Torpy,* A.B., *Jr. Bot.*

Federal Seed Act:
Walter A. Davidson, B.S., *Assoc. Bot.*
Alma L. Eggleston,* B.S., *Jr. Bot.*
Vivian Kearns, A.B., *Jr. Bot.*
Glenn E. Stancliff, *Asst. Sci. Aid.*

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Willard L. Goss, B.S., LL.B., *Sr. Bot.*
Leatha D. Bunting, A.M., *Jr. Bot.*
Indiana—Lafayette:
Regina B. Schulte, A.B., *Asst. Bot.*
Missouri—Columbia:
Clara Fuhr, B.S., M.A., *Asst. Bot.*
Oregon—Corvallis:
Grace Cole Fleischman,* A.B., *Asst. Bot.*

DIVISION OF SUGAR PLANT INVESTIGATIONS

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Ernst Artschwager, Ph.D., *Path.*
H. B. Cowgill, B.A., M.S., *Assoc. Agron.*
Ruth C. Starrett,* M.A., *Asst. Cytol.*
James F. Brewer, *Botanical Artist.*
H. A. Kuyper, *Prin. Translator.*

Sugar-Beet Investigations:
G. H. Coons, A.M., Ph.D., *Prin. Path.*
Sugar-Beet Pathology:
G. H. Coons, A.M., Ph.D., *Prin. Path.*
J. E. Kotila, M.S., Ph.D., *Path.*
Dewey Stewart, M.S., *Assoc. Path.*
H. A. Elcock, M.S., *Asst. Path.*
Sugar-Beet Agronomy:
A. W. Skuderna, B.S., *Prin. Agron.*
Curly-Top Investigations:
Eubanks Carsner, M.S., Ph.D., *Sr. Path.*

FIELD HEADQUARTERS:
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Davis:
F. G. Larmer, M.S., *Asst. Path.*
Riverside:
Eubanks Carsner, M.S., Ph.D., *Sr. Path.*
N. J. Giddings, M.S., Ph.D., *Sr. Path.*
C. W. Bennett, M.S., Ph.D., *Path.*
J. M. Fife, M.A., Ph.D., *Biochem.*
Charles Price, B.S., *Assoc. Agron.*
C. F. Lackey, B.S., *Asst. Path.*
Glenn E. Gillespie, B.S., *Sci. Aid.*
Colorado:
Fort Collins:
H. E. Brewbaker, M.S., Ph.D., *Assoc. Agron.*
J. O. Gaskill, M.S., *Jr. Path.*
Rocky Ford:
G. W. Deming, B.S., *Asst. Agron.*
H. W. Bockstahler, M.S., *Jr. Path.*
Idaho—Twin Falls:
R. L. Piemeisel, A.B., *Physiol.*
C. E. Cormany, M.S., *Assoc. Agron.*
J. M. Wallace, M.S., Ph.D., *Assoc. Path.*
C. C. Lowe, B.S., *Asst. Agron.*
A. M. Murphy, M.S., *Sci. Aid.*
Michigan—East Lansing:
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Minnesota—St. Paul:
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E. L. LeClerg, M.S., Ph.D., *Asst. Path.*
Nebraska—Scottsbluff:
S. B. Nuckols, B.S., A.M., *Assoc. Agron.*
New Mexico—State College:
J. C. Overpeck, M.S., *Agt.*
Utah:
Logan:
Wesley Keller, M.S., *Agt.*
Salt Lake City:
F. V. Owen, M.S., Ph.D., *Genet.*
L. M. Pultz, M.S., Ph.D., *Assoc. Physiol.*
F. A. Abegg, M.S., Ph.D., *Assoc. Genet.*
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Sugarcane Pathology:
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J. I. Lauritzen, Ph.D., *Sr. Physiol.*
Julius Matz, Ph.D., *Path.*
Ernest Dopp, M.A., *Asst. Path.*
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George Arceneaux, B.S., *Agron.*
Sugarcane Breeding:
G. B. Sartoris, M.S., Ph.D., *Path.*

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R. T. Gibbens, Jr., B.S., *Asst. Agron.*
J. W. Strickland, B.S., *Agt.*
C. P. Sheffield, *Agt.*
Georgia—Cairo:
B. A. Belcher, M.S., *Asst. Agron.*
Louisiana—Houma:
George Arceneaux, B.S., *Agron.*
E. V. Abbott, M.S., Ph.D., *Assoc. Path.*
C. C. Krumbhaar, B.S., *Agt.*
I. E. Stokes, B.S., *Agt.*
Ralph B. Bisland, B.S., *Agt.*
Eaton M. Summers, M.S., *Asst. Path.*
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Holger Johansen, B.A., *Agt.*
Virginia, Rosslyn (Arlington Exp. Farm):
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Flue-Cured Tobacco Production Investigations (Field):
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E. G. Moss, B.S., *Sr. Agron.*
James F. Bullock, B.S., *Agt.*
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South Carolina—Florence:
W. M. Lunn, M.S., *Assoc. Agron.*

Burley Tobacco Production Investigations (Field):
Tennessee—Greeneville:
F. S. Chance, B.S., *Agt.*
West Virginia—Lakin:
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Maryland Tobacco Production Investigations (Field):
Maryland—Upper Marlboro:
D. E. Brown, *Chief Sci. Aid.*

Dark Air-Cured Tobacco Production Investigations (Field):
Virginia—Bowling Green:
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Georgia—Tifton:
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J. E. McMurtrey, Jr., M.S., Ph.D., *Assoc. Physiol.*
J. D. Bowling, B.S., *Asst. Biochem.*

Effect of Length of Day on Plant Growth:
H. A. Allard, B.S., *Sr. Physiol.*
R. A. Steinberg, M.A., Ph.D., *Asst. Physiol.*

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Vladimir P. Sokoloff, B.S., *Jr. Agron.*
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V. C. Durham, *Assoc. Pl. Quar. Insp.*
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J. W. O'Brien, *Assoc. Pl. Quar. Insp.*
Ralph Shemin, B.S., *Assoc. Pl. Quar. Insp.*
J. C. Crawford, M.Sc., *Asst. Pl. Quar. Insp.*
H. Fox, B.S., *Asst. Pl. Quar. Insp.*
R. A. Fox, B.S., *Asst. Pl. Quar. Insp.*
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A. G. Lennox, M.S., *Asst. Pl. Quar. Insp.*
S. A. Mann, B.S., *Asst. Pl. Quar. Insp.*
J. H. Painter, M.S., *Asst. Pl. Quar. Insp.*
K. F. Petsch, B.S., *Asst. Pl. Quar. Insp.*

Port Inspection—Continued.
FIELD HEADQUARTERS—Continued.
New York—Continued.
New York—Continued.
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Harry Sargent, B.S., *Asst. Pl. Quar. Insp.*
G. F. Smith, B.S., *Asst. Pl. Quar. Insp.*
R. G. Smith, B.S., *Asst. Pl. Quar. Insp.*
S. D. Whitlock, M.S., *Asst. Pl. Quar. Insp.*
R. W. Woodbury, B.S., *Asst. Pl. Quar. Insp.*
A. H. Bulbulian, B.S., *Jr. Pl. Quar. Insp.*
H. M. Cottier, B.S., *Jr. Pl. Quar. Insp.*
F. O. Dodd, B.S., *Jr. Pl. Quar. Insp.*
O. G. Fitzgerald, M.S., *Jr. Pl. Quar. Insp.*
W. R. Fyke, B.S., *Jr. Pl. Quar. Insp.*
J. R. Garrett, B.S., *Jr. Pl. Quar. Insp.*
M. C. Guerry, B.S., *Jr. Pl. Quar. Insp.*
K. W. Holloway, B.S., *Jr. Pl. Quar. Insp.*
C. G. Latham, B.S., *Jr. Pl. Quar. Insp.*
J. G. Lewis, B.S., *Jr. Pl. Quar. Insp.*
M. A. McMaster, B.S., *Jr. Pl. Quar. Insp.*
G. J. Nicolaides, B.S., *Jr. Pl. Quar. Insp.*
Pablo Ortiz, B.S., *Jr. Pl. Quar. Insp.*
P. X. Peltier, M.S., *Jr. Pl. Quar. Insp.*
A. O. Plummer, B.S., *Jr. Pl. Quar. Insp.*
C. E. Post, B.S., *Jr. Pl. Quar. Insp.*
M. H. Sartor, B.S., *Jr. Pl. Quar. Insp.*
H. G. Taylor, *Jr. Pl. Quar. Insp.*
Oregon—Portland:
T. J. Baker, A.B., *Asst. Pl. Quar. Insp.*
Pennsylvania—Philadelphia:
Max Kisliuk, Jr., M.S., *Pl. Quar. Insp., in charge.*
W. W. Chapman, B.S., *Asst. Pl. Quar. Insp.*
W. J. Ehinger, B.S., *Jr. Pl. Quar. Insp.*
J. A. Ramos, B.S., *Jr. Pl. Quar. Insp.*
A. B. Wells, B.A., B.S., *Jr. Pl. Quar. Insp.*
South Carolina—Charleston:
Geraldus Gay, B.S., *Asst. Pl. Quar. Insp.*
Texas:
Corpus Christi:
R. L. Trigg, B.S., *Asst. Pl. Quar. Insp.*
Galveston:
L. R. Dorland, B.S., *Assoc. Pl. Quar. Insp.*
Houston:
H. C. Millender, *Assoc. Pl. Quar. Insp.*
L. A. Roberts, B.S., *Jr. Pl. Quar. Insp.*
Port Arthur:
C. P. Trotter, *Assoc. Pl. Quar. Insp.*
Virginia—Norfolk:
M. C. Rich, B.A., *Asst. Pl. Quar. Insp., in charge.*
L. A. Mayer, B.S., *Jr. Pl. Quar. Insp.*

Port Inspection—Continued.

FIELD HEADQUARTERS—Continued.

Washington:

Bellingham:

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J. W. Stanton, B.S., *Jr. Pl. Quar. Insp.*

Blaine:

B. M. Ault, B.S., *Jr. Pl. Quar. Insp.*

Seattle:

A. G. Webb, B.S., *Pl. Quar. Insp., in charge.*

M. J. Forsell, B.S., *Asst. Pl. Quar. Insp.*

C. V. Scott, B.S., *Asst. Pl. Quar. Insp.*

E. I. Smith, B.S., *Asst. Pl. Quar. Insp.*

W. H. Wheeler, B.A., *Jr. Pl. Quar. Insp.*

J. P. Young, B.S., *Jr. Pl. Quar. Insp.*

Mexican Border Inspection:

F. A. Johnston, B.S., *Pl. Quar. Insp., in charge.*

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H. G. Frane, B.S., *Jr. Pl. Quar. Insp.*

Naco:

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J. E. Downs, B.S., *Jr. Pl. Quar. Insp.*

Nogales:

C. E. Bellis, B.S., *Assoc. Pl. Quar. Insp., in charge.*

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E. C. Harrison, Jr., B.S., *Jr. Pl. Quar. Insp.*

E. W. Ingle, B.S., *Jr. Pl. Quar. Insp.*

U. R. Kuhn, B.S., *Jr. Pl. Quar. Insp.*

W. F. Maner, B.S., *Jr. Pl. Quar. Insp.*

G. C. Martin, Jr., B.S., *Jr. Pl. Quar. Insp.*

W. B. R. Stromberg, B.S., *Jr. Pl. Quar. Insp.*

R. C. Watson, B.S., *Jr. Pl. Quar. Insp.*

R. F. Wilbur, B.S., *Jr. Pl. Quar. Insp.*

Sasabe:

C. H. Wallis, B.S., *Jr. Pl. Quar. Insp.*

California:

Calexico:

O. A. Pratt, B.A., *Assoc. Pl. Quar. Insp., in charge.*

C. L. Ritchie, B.S., *Jr. Pl. Quar. Insp.*

J. N. Smith, B.S., *Jr. Pl. Quar. Insp.*

San Ysidro:

Leroy Schoening, B.S., *Asst. Pl. Quar. Insp., in charge.*

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Mexican Border Inspection—Continued.

FIELD HEADQUARTERS—Continued.

Texas:

Brownsville:

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G. F. Callaghan, B.S., *Jr. Pl. Quar. Insp.*

R. B. Haller, *Jr. Pl. Quar. Insp.*

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S. R. Morris, B.S., *Jr. Pl. Quar. Insp.*

C. W. Shockley, B.S., *Jr. Pl. Quar. Insp.*

J. P. Williamson, B.S., *Jr. Pl. Quar. Insp.*

Del Rio:

H. M. Cely, B.S., *Asst. Pl. Quar. Insp., in charge.*

W. C. Edgeworth, B.S., *Jr. Pl. Quar. Insp.*

J. H. Miller, B.S., *Jr. Pl. Quar. Insp.*

Eagle Pass:

J. B. R. Leary, B.S., *Assoc. Pl. Quar. Insp., in charge.*

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J. B. Zuck, B.S., *Jr. Pl. Quar. Insp.*

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T. A. Arnold, B.S., *Assoc. Pl. Quar. Insp., in charge.*

B. R. Anderson, B.S., *Asst. Pl. Quar. Insp.*

A. H. Greer, B.S., *Asst. Pl. Quar. Insp.*

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C. F. Haller, B.S., *Jr. Pl. Quar. Insp., in charge.*

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Laredo:

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E. L. Talbert, B.S., *Jr. Pl. Quar. Insp.*

M. G. Vinzant, B.S., *Jr. Pl. Quar. Insp.*

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E. P. Reagan, B.S., *Jr. Pl. Quar. Insp.*
Presidio:
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Richard Faxon, B.S., *Assoc. Pl. Quar. Insp., in charge.*
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Ponce:
R. G. Oakley, B.S., *Jr. Pl. Quar. Insp.*
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R. G. Cogswell, A.B., *Asst. Pl. Quar. Insp.*
H. Y. Gouldman, B.S., *Asst. Pl. Quar. Insp.*
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W. I. Whiton, B.S., *Asst. Pl. Quar. Insp.*

DIVISION OF DOMESTIC PLANT QUARANTINES

(For which no separate units have been organized)

S. B. Fracker, M.S., Ph.D., *Prin. Pl. Quar. Admin., in charge.*
R. A. Sheals, B.S., *Assoc. Pl. Quar. Insp.*

White Pine Blister Rust:
Maude A. Thompson, *Asst. in Domestic Pl. Quar.*
FIELD HEADQUARTERS:
Washington—Spokane:
C. R. Stillinger, A.B., M.S., *Assoc. Path., in charge* (domestic quarantine enforcement in Pacific Northwest).

Transit Inspection:
FIELD HEADQUARTERS:
Illinois—Chicago:
J. M. Corliss, *Agt., in charge,* Central States.
N. H. Dunlap, B.S., *Jr. Pl. Quar. Insp.*
J. M. Moran, *Agt.*
Massachusetts—Boston:
E. J. McNerney, *Agt., in charge.*
J. T. Scott, *Agt.*
Minnesota—St. Paul:
G. W. Nelson, B.S., *Agt.*
New York—New York:
H. J. Conkle, B.S., *Jr. Pl. Quar. Insp., in charge.*
C. B. Beamer, B.S., *Agt.*

Phony Peach Disease:
FIELD HEADQUARTERS:
Georgia—Atlanta:
G. W. R. Davidson, *Agt., in charge.*
M. E. Connolly, *Agt.*
R. N. Dopson, Jr., B.S., *Agt.*

PINK BOLLWORM AND THURBERIA WEEVIL

(Hdqrs., San Antonio, Tex.)

R. E. McDonald, *Prin. Admin. Off., in charge.*
F. S. Puckett, B.S., *Sr. Admin. Off.*
C. M. Fox, *Admin. Off.*
G. G. Harris, B.S., *Asst. Pl. Quar. Insp.*
G. C. Bond, LL.B., *Asst. Pl. Quar. Insp.*
R. A. Vickery, M.A., *Asst. Ent.*

Salt River Valley Quarantine District (Hdqrs., Phoenix, Ariz.):
S. D. Smith, *Assoc. Pl. Quar. Insp., in charge.*
H. B. Prickett, *Asst. Pl. Quar. Insp.*
P. L. Netterville, B.S., *Asst. Pl. Quar. Insp.*
J. D. Waugh, B.S., *Asst. Pl. Quar. Insp.*
J. A. Downs, B.S., *Jr. Pl. Quar. Insp.*
C. H. Hoult, LL.B., *Jr. Pl. Quar. Insp.*
B. B. Jones, *Jr. Pl. Quar. Insp.*
G. F. McLain, B.S., *Jr. Pl. Quar. Insp.*
W. F. Senette, B.S., *Jr. Pl. Quar. Insp.*
C. C. Weigle, B.S., *Jr. Pl. Quar. Insp.*

Western Quarantine District (Hdqrs., El Paso, Tex.):
J. S. Brock, B.S., *Pl. Quar. Insp., in charge.*
J. B. Moore, B.S., *Asst. Pl. Quar. Insp.*
R. R. Rosa, B.S., *Asst. Pl. Quar. Insp.*
Ivan Shiller, M.S., *Asst. Pl. Quar. Insp.*
J. C. Woodward, B.S., *Asst. Pl. Quar. Insp.*
J. N. Crisler, B.S., *Jr. Pl. Quar. Insp.*

Thurberia Weevil Quarantine District (Hdqrs., Tucson, Ariz.):
W. E. Ayers, *Asst. Pl. Quar. Insp.*

Eastern Quarantine District (Hdqrs., Alpine Tex.):
D. M. McEachern, B.S., *Asst. Pl. Quar Insp., in charge.*
B. C. Graham, B.S., *Asst. Pl. Quar. Insp.*
W. B. Rogers, *Asst. Pl. Quar. Insp.*
O. L. Walton, B.S., *Asst. Pl. Quar. Insp.*
H. L. Alford, B.S., *Jr. Pl. Quar. Insp.*
F D. Bittner, B.S., *Jr. Pl. Quar. Insp.*
J. M. Cobb, B.S., *Jr. Pl. Quar. Insp.*
L. B. Coffin, B.S., *Jr. Pl. Quar. Insp.*
J. C. Gay, B.S., *Jr. Pl. Quar. Insp.*
H. J. Henderson, B.S., *Jr. Pl. Quar. Insp.*
W. C. Maxwell, B.S., *Jr. Pl. Quar. Insp.*
G. E. Orr, B.S., *Jr. Pl. Quar. Insp.*
S. E. Poe, B.S.A., *Jr. Pl. Quar. Insp.*

Eastern Quarantine District—Continued.
W. W. Rester, B.S., *Jr. Pl. Quar. Insp.*
F. M. Wilson, *Jr. Pl. Quar. Insp.*
J. L. Wood, B.S., *Jr. Pl. Quar. Insp.*
J. S. Smith, B.S., *Jr. Ent.*

Scouting (Hdqrs., San Antonio, Tex.):
R. W. White, B.S., *Pl. Quar. Insp., in charge.*
K. H. Townsend, *Assoc. Pl. Quar. Insp.*
F. I. Jeffrey, B.S., *Asst. Pl. Quar. Insp.*
W. E. Conn, B.S., *Asst. Pl. Quar. Insp.*
L. D. Harris, B.S., *Asst. Pl. Quar. Insp.*
W. F. Rice, *Asst. Pl. Quar. Insp.*
I. B. Rutledge, B.S., *Asst. Pl. Quar. Insp.*
W. E. von Rosenberg, B.S., *Asst. Pl. Quar. Insp.*
J. H. Adams, Jr., B.S., *Jr. Pl. Quar. Insp.*
E. Cason, B.S., *Jr. Pl. Quar. Insp.*
K. R. Elliott, B.S., *Jr. Pl. Quar. Insp.*
O. F. Haslbauer, B.S., *Jr. Pl. Quar. Insp.*
E. Hobbs, M.S., *Jr. Pl. Quar. Insp.*
F. V. Irvin, B.S., *Jr. Pl. Quar. Insp.*
L. A. West, *Jr. Pl. Quar. Insp.*
J. S. Wilson, B.S., *Jr. Pl. Quar. Insp.*
W. E. Gassett, *Sr. Sci. Aid.*

Florida Quarantine District (Hdqrs., Miami, Fla.):
L. F. Curl, B.S., *Asst. Pl. Quar. Insp., in charge.*
G. W. Chowns, B.S., *Asst. Pl. Quar. Insp.*
G. B. Ray, B.S., *Asst. Pl. Quar. Insp.*
E. L. Wilde, B.S., *Asst. Pl. Quar. Insp.*
T. R. Adkins, B.S., *Jr. Pl. Quar. Insp.*
C. H. Bergeron, B.S., *Jr. Pl. Quar. Insp.*
J. I. Cowger, B.S.A., *Jr. Pl. Quar. Insp.*
V. Curtis, B.S., *Jr. Pl. Quar. Insp.*
R. L. Eberhard, *Jr. Pl. Quar. Insp.*
W. T. Gurley, B.S., *Jr. Pl. Quar. Insp.*
A. K. Inman, B.S., *Jr. Pl. Quar. Insp.*
J. N. Todd, M.S., *Jr. Pl. Quar. Insp.*

EUROPEAN CORN BORER AND JAPANESE BEETLE

(General hdqrs., Harrisburg, Pa.)

L. H. Worthley, *Prin. Admin. Off., in charge.*
C. W. Stockwell, *Sr. Admin. Off., in charge of Japanese beetle field work.*
E. G. Brewer, *Sr. Admin. Off., in charge European corn borer inspection and certification work; Japanese beetle trapping.*
H. T. Cronin, LL.B., *Sr. Admin. Off.*
H. C. Ameigh, A.B., LL.B., *Admin. Off.*
J. C. Silver, B.S., *Asst. Ent.*
R. W. Sherman, B.S., *Asst. Pl. Quar. Insp.*

Japanese Beetle Field Work:
Connecticut—New Haven:
J. P. Johnson, *Agt., in charge of quar. in Conn.*
Delaware—Dover:
W. E. Cranston, *Agt., in charge of quar. in Del.*
Maryland—Baltimore:
W. C. Armstrong, *Field Supvr. in Insect Control, in charge of quar. in Md.*
F. L. O'Rourke, B.S., *Jr. Ent.*
Massachusetts:
Boston:
R. S. Clifton, *Sr. Admin. Asst., in charge of quar. in Mass., R.I., and N.H.*
T. C. F. Cronin, B.S., *Asst. Pl. Quar. Insp.*
J. W. Enwright, *Sr. Field Aid.*
Springfield:
T. M. Cannon, *Sr. Sci. Aid.*
New Jersey—White Horse:
G. K. Handle, *Agt., in charge of quar. in N.J.*

Japanese Beetle Field Work—Continued.
New Jersey—White Horse—Continued.
V. A. Johnson, B.S., *Asst. Pl. Quar. Insp.*
W. L. Caskey, B.S., *Jr. Pl. Quar. Insp.*
New York:
New York:
C. H. Zimmer, *Agt., in charge of quar. in N.Y. City and L.I.*
Syracuse:
J. H. Harman, B.S., *Asst. Ent., in charge of quar. in N.Y. (except N.Y. City and L.I.).*
Pennsylvania:
Harrisburg:
J. K. Gould, *Agt., in charge of quar. in Pa. (outside Phila. area).*
W. N. Dobbs, *Field Supvr. in Insect Control.*
New Cumberland:
H. A. Burkmeyer, *Supt. Garage.*
F. G. Winn, *Field Supvr. in Insect Control.*
Philadelphia:
G. B. Stichter, *Agt., in charge of quar. in Phila. area.*
C. W. Lewis, B.S., *Pr. Sci. Aid.*
O. K. Courtney, B.S., *Jr. Pl. Quar. Insp.*
Virginia:
Norfolk:
J. S. Stockbridge, *Field Supvr. in Insect Control.*
Richmond:
H. N. Bartley, B.S., *Assoc. Ent., in charge of quar. in Va.*

European Corn Borer Inspection and Certification Work:
Connecticut—New London:
F. L. Fall, *Sr. Field Aid.*
Massachusetts—Boston:
W. J. Powers, *Field Supvr. in Insect Control.*
Michigan—Howell:
C. O. Larrabee, *Sr. Field Aid.*
New York—Albany:
A. Viall, *Field Supvr. in Insect Control.*
Ohio—Bellefontaine:
O. P. Norris, *Field Supvr. in Insect Control.*
Pennsylvania:
Greensburg:
M. J. Kelly, *Field Supvr. in Insect Control.*
Harrisburg:
T. B. Heald, *Field Supvr. in Insect Control.*

GYPSY MOTH AND BROWN-TAIL MOTH

(Genl. Hdqrs., Greenfield, Mass.)

A. F. Burgess, M.S., *Prin. Ent., in charge.*
S. S. Crossman, B.S., *Sr. Ent.*
H. B. Dalton, *Jr. Admin. Off.*

Quarantine and Inspection:
J. N. Summers, Ph.D., *Admin. Off.*
F. W. Graves, Jr., *Sr. Admin. Asst.*

Quarantine Inspection Districts:
Connecticut:
Manchester:
W. W. Eells, *Agt.*
Middletown:
M. J. Anderson, *Field Supvr. in Insect Control.*
Willimantic:
J. F. Keough, *Sr. Sci. Aid.*
Maine:
Bangor:
A. C. Ward, *Sr. Sci. Aid.*
Bath:
G. J. Galvin, *Sr. Sci. Aid.*
South Portland:
L. H. Noble, *Sr. Sci. Aid.*

Quarantine Inspection Districts—Continued.
Massachusetts:
Boston:
H. I. Winchester, *Prin. Sci. Aid.*
Burlington:
G. A. Miller, *Sr. Sci. Aid.*
Dedham:
P. H. Meagher, *Sr. Sci. Aid.*
Framingham:
P. S. Coffin, *Sr. Sci. Aid.*
Greenfield:
C. A. Manchester, *Sr. Sci. Aid.*
Lynnfield:
I. B. Newbegin, *Sr. Sci. Aid.*
Middleboro:
J. J. Roach, *Sr. Sci. Aid.*
Quincy:
R. W. Kennedy, *Sr. Sci. Aid.*
Westfield:
W. H. Shinkwin, *Agt.*
New Hampshire:
Concord:
D. Harrington, *Sr. Sci. Aid.*
Keene:
J. Keefe, *Sr. Sci. Aid.*
Lebanon:
R. H. Flaker, *Agt.*
Milford:
W. Sarsfield, *Sr. Sci. Aid.*
Plymouth:
J. F. Murray, *Sr. Sci. Aid.*
Rhode Island:
Newport:
J. F. McDevitt, *Sr. Sci. Aid.*
Westerly:
W. J. Ahearn, *Sr. Sci. Aid.*
Vermont:
Barre:
R. L. Emrick, *Agt.*
Rutland:
H. E. Singer, *Agt.*
St. Johnsbury:
F. L. Keene, *Sr. Sci. Aid.*

Scouting and Extermination:
H. L. Blaisdell, *Sr. Admin. Off.*
L. E. Gibson, B.S., *Sr. Admin. Asst.*

New England Area:
W. W. Bancroft, *Prin. Sci. Aid.*
H. N. Bean, *Prin Sci. Aid.*
S. E. May, *Prin. Sci. Aid.*
D. G. Murphy, *Prin. Sci. Aid.*
F. N. Bancroft, *Field Supvr. in Insect Control.*
F. C. Flint, *Field Supvr. in Insect Control.*
H. H. Harkins, *Field Supvr. in Insect Control.*
G. N. Harris, *Field Supvr. in Insect Control.*
R. M. Kittredge, *Field Supvr. in Insect Control.*
F. C. Rich, *Field Supvr. in Insect Control.*
I. L. Bailey, *Sr. Sci. Aid.*
W. A. Collins, *Sr. Sci. Aid.*

Pennsylvania Area:
(Hdqrs. Wilkes-Barre, Pa.)
C. T. Davis, *Prin Sci. Aid.*
C. A. McIsaac, *Prin. Sci. Aid.*
F. W. Graham, *Field Supvr. in Insect Control.*
W. H. Hanley, *Field Supvr. in Insect Control.*
F. C. McDonough, *Field Supvr. in Insect Control.*
E. R. Manning, *Field Supvr. in Insect Control.*
O. C. Otis, *Field Supvr. in Insect Control.*
J. W. Regan, *Field Supvr. in Insect Control.*

MEXICAN FRUIT FLY

(Hdqrs., Harlingen, Tex.)

P. A. Hoidale, *Sr. Pl. Quar. Insp., in charge.*
N. O. Berry, B.S., *Jr. Ent.*
S. A. Bushland, *Jr. Admin. Asst.*
M. H. Ford, B.S., *Assoc. Pl. Quar. Insp.*
B. M. Gaddis, *Assoc. Pl. Quar. Insp.*
W. W. Decell, B.S., *Asst. Pl. Quar. Insp.*
W. R. Heard, B.S., *Asst. Pl. Quar. Insp.*
J. W. Patterson, B.S., *Asst. Pl. Quar. Insp.*
E. F. Pepper, B.S., *Asst. Pl. Quar. Insp.*
L. G. Plyler, B.S., *Asst. Pl. Quar. Insp.*
A. V. Smith, B.S., *Asst. Pl. Quar. Insp.*
F. O. Swan, B.S., *Asst. Pl. Quar. Insp.*
Adolph Thomae, B.S., *Asst. Pl. Quar. Insp.*
P. C. Avery, M.S., *Jr. Pl. Quar. Insp.*
J. M. Dunham, B.S., *Jr. Pl. Quar. Insp.*
R. V. Ray, B.S., *Jr. Pl. Quar. Insp.*
T. R. Stephens, B.S., *Jr. Pl. Quar. Insp.*
L. F. Greer, *Sr. Pl. Quar. Aid.*
G. V. Harren, *Sr. Pl. Quar. Aid.*
F. G. Bernard, *Agt.*
G. M. Douglas, *Agt.*
L. R. DuBois, *Agt.*
C. O. Gingrass, *Agt.*
F. W. Haughton, *Agt.*
J. W. Monk, B.S., *Agt.*
W. P. Patton, B.S., *Agt.*
D. O. Sikes, B.S., *Agt.*
J. K. Smith, *Agt.*
B. C. Stephenson, B.S., *Agt.*
Burl Stugard, A.B., *Agt.*
O. C. Trotman, B.S., *Agt.*
J. M. Worsham, *Agt.*

DATE PALM SCALE ERADICATION

Coachella Valley (Hdqrs., Indio, Calif.):
B. L. Boyden, A.B., *Sr. Ent., in charge.*
A. J. Shamblin, *Assoc. Hort.*
A. E. Cavanagh, *Chief Sci. Aid.*
L. J. Padget, B.S., *Jr. Pl. Quar. Insp.*
J. E. Tuckett, A.B., *Jr. Pl. Quar. Insp.*
I. C. Caswell, *Sr. Sci. Aid.*
G. F. Fulkerson, *Sr. Sci. Aid.*
H. B. Ames, *Sci. Aid.*
W. N. Carl, *Sci. Aid.*
M. E. Moore, *Sci. Aid.*
C. T. Duncan, *Jr. Sci. Aid.*
C. T. Owsley, *Jr. Sci. Aid.*
D. C. De Merritt, *Agt.*
Karl Kelsey, *Agt.*
V. L. Stanley, *Agt.*

Imperial Valley (Hdqrs., El Centro, Calif.):
H. W. Gray, *Agt., in charge.*
L. C. Cordill, *Agt.*
J. H. Strickland, *Agt.*

Arizona (Hdqrs., Phoenix, Ariz.):
C. H. Rothe, B.S., *Asst. Pl. Quar. Insp., in charge.*
A. E. Frazier, B.S., *Jr. Pl. Quar. Insp.*
Alton Duke, *Agt.*

TECHNOLOGICAL DIVISION

Lon A. Hawkins, Ph.D., *Prin. Physiol., in charge.*
A. G. Galloway, *Technol.*

Field Headquarters:
New Jersey:
White Horse:
G. A. Russell, Pharm.G., B.S., *Agt.*
Texas:
Alpine:
A. C. Johnson, *Asst. Pl. Quar. Insp.*
W. T. Hunt, M.S., *Jr. Pl. Quar. Insp.*
El Paso:
J. M. Luckie, *Agt.*

BUREAU OF PUBLIC ROADS

Thos. H. MacDonald, Dr.Engr., *Chief.*
P. St. J. Wilson, C.E., *Chief Engr.*
Carrie L. Fuller, LL.B., *Admin. Asst.*
Josephine C. Sweeney, *Admin. Asst.*
Augusta F. Johnston, *Admin. Asst. (personnel).*
Hilda E. Graff, LL.B., *Prin. Clerk, in charge Mail and File Section.*

DIVISION OF CONTRACTS AND LAWS

L. E. Boykin, LL.B., *Chief.*
W. J. O'Leary, LL.B., *Sr. Admin. Off.*
R. D. Lyons, LL.B., *Jr. Admin. Asst.*
E. N. Miller, LL.B., *Jr. Admin. Asst.*

DIVISION OF CONTROL

C. D. Curtiss, A.M., *Chief.*
E. E. Hall, *Sr. Admin. Off.*

Records Section:
C. A. Mourhess, *Sr. Stat. Analyst.*
G. M. French, B.A., *Hwy. Econ.*

Accounting Section:
E. R. Miller, *Chief Acct.*

Equipment and Supplies:
O. Engelmann, *Admin. Off.*

DIVISION OF INFORMATION

H. S. Fairbank, C.E., *Chief.*
A. C. Rose, B.S. in C.E., *Sr. Hwy. Engr.*
R. E. Royall, B.S. in C.E., *Sr. Hwy. Engr.*
G. P. St. Clair, B.A., *Assoc. Hwy. Engr.*
Orrena L. Evans, *Assoc. Libr.*
H. W. Hendley, *Head Scientific Illustr.*
Mildred A. Wilson, B.S., *Jr. Libr.*

DIVISION OF MANAGEMENT

T. W. Allen, C.E., *Chief.*

Highway Construction Cost Studies:
A. P. Anderson, B.S. in C.E., *Hwy. Engr.*
W. A. Blanchette, B.S. in C.E., *Hwy. Engr.*
C. F. Rogers, B.S. in C.E., *Asst. Hwy. Engr.*
T. C. Thee, B.S. in C.E., *Asst. Hwy. Engr.*
H. L. Aitken, B.S. in C.E., *Jr. Hwy. Engr.*
D. M. Beach, B.S. in C.E., *Jr. Hwy. Engr.*
V. T. Cairns, B.S. in C.E., *Jr. Hwy. Engr.*
F. B. Farrell, B.S. in C.E., *Jr. Hwy. Engr.*
J. B. Hanson, B.C.E., *Jr. Hwy. Engr.*
R. E. Hertel, B.C.E., *Jr. Hwy. Engr.*
S. T. Hitchcock, B.S. in C.E., *Jr. Hwy. Engr.*
D. W. Loutzenheiser, B.S. in C.E., *Jr. Hwy. Engr.*
G. E. Marple, B.S. in C.E., *Jr. Hwy. Engr.*
O. K. Norman, B.S. in C.E., *Jr. Hwy. Engr.*
A. R. Rankin, B.S. in C.E., *Jr. Hwy. Engr.*
R. P. Rodgers, B.S. in C.E., *Jr. Hwy. Engr.*

Highway Engineering Cost Studies:
J. L. Harrison, B.S. in C.E., *Sr. Hwy. Engr.*

Highway Maintenance Cost Studies:
G. G. Clark, *Sr. Hwy. Econ.*

DIVISION OF TESTS

E. F. Kelley, C.E., *Chief.*
H. M. Milburn, B.S. in Chem. Engr., *Sr. Engr. of Tests.*
A. L. Gemeny, C.E., *Sr. Struct. Engr.*
L. N. Edwards, C.E., *Sr. Hwy. Bridge Engr.*
G. E. Ladd, Ph.D., *Assoc. Econ. Geol.*

Research on Bituminous Materials:
J. T. Pauls, B.S. in C.E., *Sr. Hwy. Engr.*

FIELD HEADQUARTERS:
Virginia—Rosslyn (Arlington Exp. Farm):
L. G. Carmick, B.S., *Assoc. Chem.*
E. C. E. Lord, Ph.D., *Assoc. Petrographer.*
P. F. Critz, B.S. in C.E., *Assoc. Hwy. Engr.*
R. H. Lewis, B.S. in Chem., *Assoc. Chem.*
U. L. Fisher, B.S. in C.E., *Assoc. Hwy. Engr.*
H. L. Bosley, *Asst. Materials Engr.*
C. A. Carpenter, B.S. in C.E., *Asst. Civil Engr.*
E. L. Tarwater, *Asst. Hwy. Engr.*
W. O'B. Hillman, B.S. in C.E., *Jr. Hwy. Engr.*
J. Y. Welborn, B.S. in C.E., *Jr. Hwy. Engr.*

Research on Nonbituminous Materials:
F. H. Jackson, *Sr. Engr. of Tests.*
D. O. Woolf, C.E., *Assoc. Materials Engr.*
D. G. Runner, A.B. in C.E., *Asst. Materials Engr.*
K. F. Shippey, B.S. in C.E., *Jr. Hwy. Engr.*

FIELD HEADQUARTERS:
Virginia — Rosslyn (Arlington Exp. Farm):
W. F. Kellermann, B.S. in C.E., *Assoc. Materials Engr.*
J. F. Goode, B.S. in C.E., *Jr. Hwy. Engr.*
E. A. Wilder, B.S. in C.E., *Jr. Hwy. Engr.*

Research on Road Subgrades:
C. A. Hogentogler, B.S. in C.E., *Sr. Hwy. Engr.*

FIELD HEADQUARTERS:
Virginia — Rosslyn (Arlington Exp. Farm):
A. Wintermyer, *Asst. Hwy. Engr.*
Henry Aaron, B.S. in C.E., *Asst. Hwy. Engr.*
E. A. Willis, B.S. in C.E., *Asst. Civil Engr.*
C. M. Johnston, B.S. in C.E., *Jr. Civil Engr.*
J. A. Kelley, Jr., B.S. in C.E., *Jr. Hwy. Engr.*
F. A. Robeson, B.S. in C.E., *Jr. Hwy. Engr.*
R. C. Thoreen, A.B., *Jr. Hwy. Engr.*

Research on Pavement Surface and Bridge Design:
L. W. Teller, C.E., *Sr. Engr. of Tests.*
FIELD HEADQUARTERS:
Virginia — Rosslyn (Arlington Exp. Farm):
L. L. Beebe, M.E., *Engr. of Tests.*
J. A. Buchanan, E.M., *Assoc. Engr. of Tests.*
G. W. Davis, B.S. in C.E., *Assoc. Engr. of Tests.*
C. S. Haynes, *Asst. Mech. Engr.*
E. C. Sutherland, B.S. in C.E., *Asst. Civil Engr.*
B. S. Brooks, B.E., *Jr. Hwy. Engr.*
H. D. Cashell, B.S. in C.E., *Jr. Hwy. Engr.*
A. L. Catudal, B.S. in C.E., *Jr. Hwy. Engr.*
R. J. Lancaster, B.S. in C.E., *Jr. Hwy. Engr.*
R. C. Herner, *Jr. Civil Engr.*
R. W. Moore, B.S. in C.E., *Jr. Civil Engr.*

Analysis of Meteorological Data:
J. A. Sourwine, C.E., *Sr. Hwy. Engr.*

Cooperative Highway Research (Field):
Iowa—Ames (Coop. with Iowa State Coll.):
T. R. Agg, C.E., *Hwy. Research Spec.*
Maryland—Baltimore (Coop. with Johns Hopkins Univ.):
J. T. Thompson, B.S. in E., *Hwy. Research Spec.*
Virginia—Arlington Exp. Farm:
W. V. McCown, B.S. in C.E., *Assoc. Materials Engr.*

DIVISION OF HIGHWAY TRANSPORT

E. W. James, A.B., *Chief.*
H. H. Kelly, *Sr. Admin. Asst.*
L. E. Peabody, M.A., *Sr. Hwy. Econ.*
W. A. Shelton, A.M., *Sr. Trans. Econ.*
F. W. Mills, Jr., *Hwy. Engr.*
L. A. Abbot, S.B., *Assoc. Stat. Engr.*
A. R. Woodwell, *Assoc. Cartographer.*
W. G. Eliot, 3d, A.M., *Assoc. Hwy. Econ.*
C. B. Bishop, E.E., *Asst. Hwy. Trans. Engr.*
R. A. Montgomery, *Asst. Automotive Engr.*
E. H. Holmes, M.S. in Engr., *Asst. Hwy. Engr.*
L. S. Tuttle, B.S. in C.E., *Asst. Hwy. Engr.*
D. O'Flaherty, B.A., *Asst. Hwy. Econ.*
FIELD HEADQUARTERS:
New Jersey—Trenton:
H. E. Cunningham, C.E., *Asst. Hwy. Engr.*
Washington, D.C.:
D. T. Brown, B.S. in E., *Sr. Hwy. Engr.*
Wisconsin—Madison:
H. R. Trumbower, A.B., *Sr. Agr. Transp. Econ.*

DIVISION OF DESIGN

R. E. Toms, C.E., *Chief.*
J. V. McNary, B.S. in C.E., *Sr. Hwy. Bridge Engr.*
L. G. Bayly, C.E., *Sr. Hwy. Engr.*
R. D. Brown, C.E., *Sr. Hwy. Engr.*
E. B. Rhine, B.S. in C.E., *Sr. Hwy. Engr.*
J. H. Stone, C.E., *Sr. Hwy. Engr.*
E. J. Wakefield, *Hwy. Engr.*
W. R. Hardisty, B.S. in C.E., *Assoc. Hwy. Engr.*
H. S. Norton, B.S. in C.E., *Assoc. Hwy. Engr.*
E. P. Shuman, C.E., *Assoc. Hwy. Engr.*
A. L. Smith, C.E., *Assoc. Hwy. Engr.*
E. S. Smith, C.E., *Assoc. Hwy. Engr.*
St. C. T. Thomas, *Assoc. Hwy. Engr.*
Berkeley Wright, *Assoc. Hwy. Bridge Engr.*
P. J. Tronson, B.S. in C.E., *Jr. Hwy. Engr.*
T. L. Ainsworth, *Chief Drft., in charge of drafting section.*

FIELD HEADQUARTERS:
Washington, D.C.:
W. S. Simonson, B.S. in L.A., *Sr. Landscape Archt.*

DIVISION OF CONSTRUCTION

H. K. Bishop, C.E., *Chief.*
F. A. Nichols, B.S. in C.E., *Sr. Hwy. Engr.*
H. G. McKelvey, *Hwy. Engr.*
J. M. Marshall, B.S. in C.E., *Assoc. Hwy. Engr.*
W. T. Perkins, B.S. in C.E., *Assoc. Hwy. Engr.*
C. R. Whitaker, *Assoc. Hwy. Engr.*
R. B. Jordan, B.S. in C.E., *Asst. Hwy. Engr.*
L. B. McCloud, *Jr. Hwy. Engr.*
H. A. Radzikowski, B.S. in C.E., *Jr. Hwy. Engr.*

FIELD HEADQUARTERS:
Virginia—Luray:
W. M. Austin, *Assoc. Hwy. Engr.*
E. F. DeWitte, B.S. in C.E., *Jr. Hwy. Engr.*
Washington, D.C.:
J. B. McCord, *Hwy. Engr.*

NATIONAL PARKS—EAST AND SOUTH

H. J. Spelman, C.E., *Dist. Engr. in charge.*

FIELD HEADQUARTERS:
Washington, D.C.:
T. A. Jones, *Asst. Hwy. Engr.*
Tennessee—Gatlinburg:
W. I. Lee, *Assoc. Hwy. Engr.*
John L. Humbard, *Sr. Const. Supv.*
F. W. Cron, B.S. in C.E., *Jr. Hwy. Engr.*
Virginia—Yorktown:
W. H. Smith, *Chief Engr. Insp.-Supt.*
E. W. Armstrong, B.S. in C.E., *Asst. Hwy. Bridge Engr.*

DIVISION OF BRIDGES

O. L. Grover, C.E., *Chief.*
J. S. Clay, C.E., *Sr. Hwy. Bridge Engr.*
N. W. Morgan, B.S. in C.E., *Hwy. Bridge Engr.*
E. J. Budge, B.S. in C.E., *Assoc. Hwy. Bridge Engr.*
H. R. Erps, B.S. in C.E., *Assoc. Hwy. Bridge Engr.*
A. L. Googins, B.S. in C.E., *Assoc. Hwy. Bridge Engr.*
J. P. Mutchler, C.E., *Assoc. Hwy. Bridge Engr.*
M. Deuterman, B.S. in C.E., *Jr. Civil Engr.*

FIELD HEADQUARTERS:
Washington, D.C.:
C. D. Geisler, M.S., *Hwy. Bridge Engr.*

FIELD ORGANIZATION—EAST

District No. 4 (Hdqrs., St. Paul, Minn.):
A. E. Palen, B.S. in C.E., *Dist. Engr. in charge.*
Minnesota—St. Paul (hdqrs. for dist.):
A. E. Palen, B.S. in C.E., *Dist. Engr.*
A. I. Ostrander, B.S. in C.E., *Sr. Hwy. Engr.*
L. J. Charles, E. of M., *Sr. Hwy. Engr.*
S. L. Taylor, C.E., *Sr. Hwy. Engr.*
W. P. Linton, B.S. in C.E., *Sr. Hwy. Bridge Engr.*
C. T. Nordstrom, B.S. in C.E., *Hwy. Engr.*

District No. 4—Continued.
Minnesota—Continued.
A. Seifert, M.C.E., *Hwy. Engr.*
E. C. Slocumb, B.S. in C.E., *Hwy. Engr.*
A. L. Luedke, C.E., *Assoc. Hwy. Econ.*
S. D. Case, B.S. in C.E., *Assoc. Hwy. Engr.*
G. L. Dolph, B.S. in C.E., *Assoc. Hwy. Engr.*
G. E. Eldred, B.S. in C.E., *Assoc. Hwy. Engr.*
W. S. Mackintosh, B.S. in C.E., *Assoc. Hwy. Engr.*
A. H. Benesh, B.S. in C.E., *Jr. Hwy. Engr.*
North Dakota—Bismarck:
H. J. Taylor, B.S. in C.E., *Sr. Hwy. Engr.*
H. C. Beall, B.E., *Assoc. Hwy. Engr.*
H. E. Fowler, B.S. in C.E., *Assoc. Hwy. Engr.*
South Dakota—Pierre:
R. C. Livingston, B.S. in C.E., *Sr. Hwy. Engr.*
E. G. Raynor, B.S. in C.E., *Assoc. Hwy. Engr.*

District No. 5 (Hdqrs., Omaha, Nebr.):
C. Shoemaker, C.E., *Dist Engr in charge.*
Nebraska—Omaha (hdqrs. for dist.):
C. Shoemaker, C.E., *Dist. Engr.*
M. L. Mackey, B.E., *Sr. Hwy. Engr.*
C. V. Johnson, C.E., *Sr. Hwy. Engr.*
D. D. Mickey, B.S. in C.E., *Sr. Hwy. Engr.*
B. F. Taylor, B.S. in C.E., *Sr. Hwy. Engr.*
J. I. Quinn, C.E., *Sr. Hwy. Bridge Engr.*
E. L. Brown, *Hwy. Engr.*
G. W. Loomis, B.S. in C.E., *Hwy. Engr.*
S. E. Sime, B.S. in C.E., *Hwy. Engr.*
C. C. Burdick, B.S. (C.E.), *Assoc. Hwy. Engr.*
George Fuller, B.S. in C.E., *Assoc. Hwy. Engr.*
W. F. Hart, B.C.E., *Assoc. Hwy. Engr.*
I. B. Mullis, *Assoc. Hwy. Engr.*
W. G. White, C.E., *Assoc. Hwy. Engr.*
D. L. Froerer, B.S. in A.E., *Jr. Hwy. Engr.*
Missouri—Jefferson City:
S. W. O'Brien, B.S. in C.E., *Sr. Hwy. Engr.*
C. T. McGinley, *Hwy. Engr.*

District No. 6 (Hdqrs., Fort Worth, Tex.):
C. E. Swain, Ph.B., *Dist. Engr. in charge.*
Arkansas—Little Rock:
J. M. Page, *Hwy. Engr.*
H. C. Simmins, *Assoc. Hwy. Engr.*
F. C. Turner, B.S. in C.E., *Jr. Hwy. Engr.*
G. A. Wilkins, B.S. in C.E., *Jr. Hwy. Engr.*
Louisiana—Baton Rouge:
M. J. Cramer, *Sr. Hwy. Engr.*
L. D. Asmus, C.E., *Assoc. Hwy. Engr.*
Oklahoma—Oklahoma City:
W. V. Smiley, B.S. in C.E., *Sr. Hwy. Engr.*
W. G. Arnold, *Assoc. Hwy. Engr.*
G. A. Bittle, B.E., *Assoc. Hwy. Engr.*
J. S. Logan, B.S. in C.E., *Assoc. Hwy. Engr.*
Texas:
Austin:
F. P. Sexton, *Sr. Hwy. Engr.*
O. B. Kercher, B.S. in C.E., *Hwy. Engr.*
S. W. Mickey, B.S. in Mining Engr., *Assoc. Hwy. Engr.*
F. T. Stoddard, B.S. in M. and G., *Assoc. Hwy. Engr.*

District No. 6—Continued.
Texas—Continued.
Austin—Continued.
B. L. Andrews, B.S. in C.E., *Jr. Hwy. Engr.*
H. I. Berg, B.S. in C.E., *Jr. Hwy. Engr.*
C. F. Izzard, A.B. in C.E., *Jr. Hwy. Engr.*
Fort Worth (hdqrs. for dist.):
C. E. Swain, Ph.B., *Dist. Engr.*
J. C. Carpenter, B.C.E., *Sr. Hwy. Engr.*
C. T. Nitteberg, B.S. in C.E., *Sr. Hwy. Bridge Engr.*
H. S. Gillette, C.E., *Hwy. Engr.*
A. W. Heyer, B.S. in C.E., *Hwy. Engr.*
G. S. Vincent, B.S. in C.E., *Hwy. Bridge Engr.*
W. C. Peterson, B.S. in C.E., *Assoc. Hwy. Bridge Engr.*
E. D. Johnson, C.E., *Asst. Hwy. Engr.*
H. P. Purington, C.E., *Asst. Hwy. Engr.*
H. J. Cosby, B.S. in C.E., *Asst. Hwy. Bridge Engr.*
A. C. Taylor, B.S. in C.E., *Asst. Hwy. Engr.*
F. Anderlitch, B.S. in C.E., *Jr. Hwy. Engr.*
J. M. DeBardeleben, M.S. in C.E., *Jr. Hwy. Engr.*
P. Julian, B.S. in C.E., *Jr. Hwy. Engr.*
E. H. Karrar, B.C.E., *Jr. Hwy. Engr.*
R. M. Phillips, B.S. in C.E., *Jr. Hwy. Engr.*
W. P. Privette, B.S. in C.E., *Jr. Hwy. Engr.*
J. C. Terrill, Ph.B in C.E., *Asst. Hwy. Engr.*

District No. 7 (Hdqrs., South Chicago, Ill.):
J. T. Voshell, B.S. in C.E., *Dist. Engr. in charge.*
Illinois—South Chicago (hdqrs. for dist.):
J. T. Voshell, B.S. in C.E., *Dist. Engr.*
R. H. Harrison, B.S. in C.E., *Sr. Hwy. Engr.*
F. M. Johnson, B.S. in C.E., *Sr. Hwy. Engr.*
J. W. Moore, *Sr. Hwy. Engr.*
L. P. Scott, B.S. in C.E., *Sr. Hwy. Engr.*
W. J. Titus, C.E., *Sr. Hwy. Design Engr.*
F. A. Knight, B.S. in C.E., *Hwy. Engr.*
J. R. Blair, B.S. in C.E., *Assoc. Hwy. Engr.*
A. F. Haelig, B.S. in C.E., *Assoc. Hwy. Engr.*
W. C. Horton, *Assoc. Hwy. Engr.*
W. R. Woolley, C.E., *Asst. Hwy. Engr.*
S. E. Farin, B.C.E., *Jr. Hwy. Engr.*
N. E. MacDougall, B.S. in C.E., *Jr. Hwy. Engr.*
T. D. Peppard, B.S. in C.E., *Jr. Hwy. Engr.*
Kentucky—Frankfort:
M. Galbreath, B.S. in C.E., *Sr. Hwy. Engr.*
A. V. Helms, B.S. in C.E., *Assoc. Hwy. Engr.*

District No. 8 (Hdqrs., Montgomery, Ala.):
C. D. Snead, C.E., *Dist. Eng. in charge.*
Alabama—Montgomery (hdqrs. for dist.).
C. D. Snead, C.E., *Dist Engr.*
C. E. Raynor, C.E., *Sr. Hwy. Engr.*
J. M. Angle, C.E., *Sr. Hwy. Bridge Engr.*
H. C. Wells, *Sr. Hwy. Engr.*
H. J. Friedman, *Hwy. Engr.*
G. L. Smith, C.E., *Hwy. Engr.*
E. C. White, B.S. in C.E., *Hwy. Bridge Engr.*

District No. 8.—Continued.
Alabama—Continued.
N. S. Anderson, B.S. in E., *Assoc. Hwy. Engr.*
C. W. DeGinther, C.E., *Assoc. Hwy. Bridge Engr.*
H. C. Headley, *Assoc. Hwy. Engr.*
J. W. Martin, C.E., *Assoc. Hwy. Engr.*
B. A. Scott, C.E., *Assoc. Hwy. Engr.*
K. D. Henderly, B.S. in C.E., *Asst. Hwy. Engr.*
H. P. Sewell, B.S. in C.E., *Asst. Hwy. Engr.*
D. R. Tompkins, B.S. in C.E., *Jr. Hwy. Engr.*
M. O. Wilburn, B.S. in C.E., *Jr. Hwy. Engr.*
Florida—Gainesville:
H. J. Morrison, *Sr. Hwy. Engr.*
J. A. Reynolds, M.E.E., *Assoc. Hwy. Engr.*
Georgia—Atlanta:
J. T. Marshall, C.E., *Sr. Hwy. Engr.*
C. J. daSilva, B.S. in C.E., *Hwy. Engr.*
E. R. Epperson, B.S., *Assoc. Hwy. Engr.*
Mississippi—Jackson:
F. A. Davis, B.S. in C.E., *Sr. Hwy. Engr.*
E. U. Stevenson, B.C.E., *Assoc. Hwy. Engr.*
South Carolina—Columbia:
V. E. Towles, *Sr. Hwy. Engr.*
S. A. Obenshain, C.E., *Assoc. Hwy. Engr.*
R. B. Smith, B.C.E., *Assoc. Hwy. Engr.*
Tennessee—Nashville:
J. W. Ogier, *Sr. Hwy. Engr.*
G. G. Dunlap, C.E., *Assoc. Hwy. Engr.*
W. F. Brock, B.S. in C.E., *Assoc. Hwy. Engr.*

District No. 9 (Hdqrs., Troy, N.Y.):
A. G. Bruce, B.S. in C.E., *Dist. Engr. in charge.*
Connecticut—Hartford:
W. J. Anderson, B.E., *Sr. Hwy. Engr.*
Maine—Augusta:
H. D. Fallon, C.E., *Sr. Hwy. Engr.*
F. W. Pierce, Jr., B.S. in C.E., *Asst. Hwy. Engr.*
Massachusetts—Boston:
T. M. Keene, B.S. in C.E., *Sr. Hwy. Engr.*
R. E. Tribou, B.S. in C.E., *Asst. Hwy. Engr.*
New Hampshire—Concord:
J. A. Whittaker, B.S. in C.E., *Sr. Hwy. Engr.*
H. Q. Thomas, Ph.B., *Assoc. Hwy. Engr.*
New Jersey—Trenton:
J. E. Mincher, C.E., *Sr. Hwy. Engr.*
J. T. Schuyler, C.E., *Assoc. Hwy. Engr.*
New York:
Batavia:
L. F. Clark, C.E., *Assoc. Hwy. Engr.*
Montour Falls:
R. B. Everts, *Assoc. Hwy. Engr.*
Syracuse:
W. H. Snyder, C.E., *Assoc. Hwy. Engr.*
Troy (hdqrs. for dist.):
A. G. Bruce, B.S. in C.E., *Dist. Engr.*
J. H. Ayres, B.S. in C.E., *Sr. Hwy. Engr.*
R. M. Bennett, C.E., *Sr. Hwy. Engr.*
L. H. Swartz, *Sr. Hwy. Engr.*
H. J. Hemstreet, B.E., *Hwy. Engr.*
C. F. Bidgood, C.E., *Assoc. Hwy. Engr.*
H. M. Smith, C.E., *Assoc. Hwy. Engr.*
E. H. Robinson, B.E., *Assoc. Hwy. Engr.*
R. S. Johnson, B.S. in C.E., *Assoc. Hwy. Bridge Engr.*

District No. 9—Continued.
New York—Continued.
Troy—Continued.
E. R. Barton, Ph.B. in C.E., *Asst. Hwy. Engr.*
L. G. Grossman, B.S. in C.E., *Asst. Hwy. Engr.*
J. Clarkeson, B.S. in C.E., *Jr. Hwy. Engr.*
Sherburne Hill, Jr., B.S. in C.E., *Jr. Hwy. Engr.*
D. E. Jones, B.S. in C.E., *Jr. Hwy. Engr.*
A. E. Robinson, B.S. in C.E., *Jr. Hwy. Engr.*
J. W. Ryan, B.S. in C.E., *Jr. Hwy. Engr.*
N. T. Rykken, B.S. in C.E., *Jr. Hwy. Engr.*
E. L. Stern, B.S. in C.E., *Jr. Hwy. Engr.*
T. S. Stevenson, B.S. in C.E., *Jr. Hwy. Engr.*
R. T. Zeglen, B.S. in C.E., *Jr. Hwy. Engr.*
Rhode Island—Providence:
H. J. McKenney, *Hwy. Engr.*
Vermont—Montpelier:
A. M. Snow, C.E., *Assoc. Hwy. Engr.*

District No. 10 (Hdqrs., Washington, D.C.):
V. M. Peirce, B.S. in C.E., *Dist. Engr. in charge.*
District of Columbia — Washington (hdqrs. for dist.):
V. M. Peirce, B.S. in C.E., *Dist. Engr.*
A. F. Gordon, *Sr. Hwy. Bridge Engr.*
C. L. Brown, *Sr. Hwy. Engr.*
A. C. Dunn, C.E., *Hwy. Engr.*
A. E. McClure, C.E., *Hwy. Engr.*
G. D. Ball, B.S. in C.E., *Assoc. Hwy. Engr.*
B. P. Harrison, C.E., *Assoc. Hwy. Engr.*
N. D. McDowell, B.S. in C.E., *Assoc. Hwy. Bridge Engr.*
H. J. Grathwol, B.S. in C.E., *Assoc. Hwy. Engr.*
Harvey Stanley, *Assoc. Struct. Engr.*
F. P. LaBoon, B.S. in C.E., *Asst. Hwy. Engr.*
H. F. Tripp, *Asst. Hwy. Engr.*
R. S. Anderson, B.C.E., *Jr. Hwy. Engr.*
J. E. Cook, Jr., B.S. in C.E., *Jr. Hwy. Engr.*
R. W. Edwards, B.S. in C.E., *Jr. Hwy. Engr.*
F. L. Holloway, B.S. in C.E., *Jr. Hwy. Engr.*
J. F. Sullivan, B.S. in C.E., *Jr. Hwy. Engr.*
North Carolina—Raleigh:
G. T. Macnab, B.S. in C.E., *Sr. Hwy. Engr.*
A. L. Hooper, C.E., *Hwy. Engr.*
J. B. Dalhouse, B.S. in C.E., *Jr. Hwy. Engr.*
Ohio—Columbus:
R. L. Deveraux, *Sr. Hwy. Engr.*
G. J. Goehl, *Assoc. Hwy. Engr.*
I. W. Hall, *Asst. Hwy. Engr.*
August Schofer, B.E., *Asst. Hwy. Engr.*
S. E. Braswell, B.S. in C.E., *Asst. Hwy. Engr.*
W. I. Redmond, *Asst. Hwy. Engr.*
Pennsylvania—Harrisburg:
A. C. Rapelje, *Sr. Hwy. Engr.*
H. R. Leland, *Hwy. Engr.*
T. E. Kesting, B.S. in C.E., *Assoc. Hwy. Engr.*
O. J. LaBell, C.E., *Jr. Hwy. Engr.*
C. E. Larson, B.S. in C.E., *Jr. Hwy. Engr.*
Virginia—Richmond:
J. D. Fauntleroy, C.E., *Sr. Hwy. Engr.*
C. M. Hartsock, B.S. in C.E., *Assoc. Hwy. Engr.*

District No. 10—Continued.
West Virginia—Charleston:
Wm. Brewster, M.E., *Sr. Hwy. Engr.*
C. L. Hayward, C.E., *Assoc. Hwy. Engr.*

FIELD ORGANIZATIONS—WEST

L. I. Hewes, Ph.D., *Dep. Chief Engr. in charge.*

Regional Office (Hdqrs., San Francisco, Calif.):
California—San Francisco (hdqrs.):
L. I. Hewes, Ph.D., *Dep. Chief Engr.*
J. S. Bright, B.S. in C.E., *Prin. Hwy. Engr.*
B. W. Matteson, B.S., *Sr. Hwy. Engr.*
G. W. Mayo, B.S. in C.E., *Sr. Hwy. Bridge Engr.*
H. R. Angwin, B.S. in C.E., *Sr. Hwy. Bridge Engr.*
J. Moskowitz, *Sr. Hwy. Engr.*
F. L. Klein, Ph.B. in C.E., *Hwy. Bridge Engr.*
E. F. Ruggles, B.S. in C.E., *Hwy. Engr.*
N. F. McCoy, A.B., *Assoc. Hwy. Engr.*
F. R. Bonnickson, B.S. in C.E., *Assoc. Hwy. Engr.*
C. F. Dixon, *Assoc. Hwy. Engr.*
E. T. Larsen, C.E., *Assoc. Hwy. Bridge Engr.*
C. R. Black, C.E., *Assoc. Hwy. Bridge Engr.*
A. A. Clausen, B.S. in C.E., *Assoc. Hwy. Bridge Engr.*
G. M. Williams, B.S. in C.E., *Asst. Hwy. Engr.*
Hawaii—Honolulu:
E. S. Wheeler, C.E., *Prin. Hwy. Engr.*

District No. 1 (Hdqrs., Portland, Oreg.):
W. H. Lynch, C. E., *Dist. Engr. in charge.*
Montana—Missoula:
A. C. Clark, B.S. in C.E., *Sr. Hwy. Engr.*
L. F. Martin, B.S. in C.E., *Assoc. Hwy. Engr.*
E. M. Hulce, *Assoc. Hwy. Engr.*
B. F. Kitt, C.E., *Assoc. Hwy. Engr.*
Samuel Cook, *Asst. Hwy. Engr.*
Oregon—Portland (hdqrs. for dist.):
W. H. Lynch, C.E., *Dist. Engr.*
F. E. Andrews, *Sr. Hwy. Engr.*
H. D. Farmer, B.S. in C.E., *Sr. Hwy. Engr.*
R. B. Wright, B.S. in C.E., *Sr. Hwy. Bridge Engr.*
L. J. Caufield, *Hwy. Engr.*
T. M. Davis, *Hwy. Engr.*
A. F. Morris, *Hwy. Engr.*
W. J. Scofield, B.C.E., *Hwy. Engr.*
R. N. Kellogg, B.S. in C.E., *Assoc. Hwy. Engr.*
R. B. McMinn, B.S. in E., *Assoc. Hwy. Bridge Engr.*
R. E. Merrick, *Assoc. Hwy. Engr.*
W. G. Peters, B.S. in C.E., *Assoc. Hwy. Engr.*
J. B. Reher, *Assoc. Hwy. Engr.*
E. T. Saunders, *Assoc. Hwy. Engr.*
C. R. Short, B.S. in C.E., *Assoc. Hwy. Engr.*
W. D. Simpson, B.S. in C.E., *Asst. Hwy. Bridge Engr.*
B. F. Beezley, *Asst. Hwy. Engr.*
A. H. Benedict, C.E., *Asst. Hwy. Engr.*
R. T. Bloodsworth, *Asst. Hwy. Engr.*
J. F. Cameron, B.S. in C.E., *Asst. Hwy. Engr.*
F. H. Cotter, *Asst. Hwy. Engr.*
W. T. Eddy, *Asst. Hwy. Engr.*
A. V. Emery, *Asst. Hwy. Engr.*
Jean Ewen, *Asst. Hwy. Engr.*
J. Lissner, A.B., *Asst. Hwy. Engr.*

District No. 1—Continued.
Oregon—Continued.
H. E. Mitchell, B.S. in C.E., *Asst. Hwy. Engr.*
J. M. Myers, *Asst. Hwy. Engr.*
C. G. Norris, *Asst. Hwy. Engr.*
C. G. Polk, B.S. in C.E., *Asst. Hwy. Engr.*
H. A. Stoddart, B.S. in C.E., *Asst. Hwy. Engr.*
R. I. Thomas, *Asst. Hwy. Engr.*
W. T. Utz, *Asst. Hwy. Engr.*
L. A. Deklotz, B.S. in C.E., *Jr. Hwy. Engr.*
F. W. Haxton, B.S. in C.E., *Jr. Hwy. Engr.*
N. L. James, B.S. in C.E., *Jr. Hwy. Engr.*
R. M. Schwegler, B.S. in C.E., *Jr. Hwy. Engr.*

District No. 2 (Hdqrs., San Francisco, Calif.):
C. H. Sweetser, A.B. in C.E., *Dist. Engr. in charge.*
Arizona—Phoenix:
G. L. McLane, *Hwy. Engr.*
J. H. Brannan, *Assoc. Hwy. Engr.*
E. J. McCracken, *Assoc. Hwy. Engr.*
F. W. Flittner, B.S. in C.E., *Assoc. Const. Engr.*
W. R. F. Wallace, B.S. in C.E., *Assoc. Hwy. Engr.*
E. F. Strickler, *Asst. Hwy. Engr.*
W. P. Wesch, B.S. in C.E., *Assoc. Hwy. Bridge Engr.*
L. G. Watters, B.S. in C.E., *Asst. Hwy. Engr.*
E. V. Aldrich, B.S. in C.E., *Jr. Hwy. Engr.*
F. J. Dixon, B.S. in C.E., *Jr. Hwy. Engr.*
Earl Green, B.S. in C.E., *Jr. Hwy. Engr.*
R. M. Rutledge, B.S. in C.E., *Jr. Hwy. Engr.*
V. G. Watson, B.S. in C.E., *Jr. Hwy. Engr.*

California—San Francisco (hdqrs. for dist.):
C. H. Sweetser, A.B. in C.E., *Dist. Engr.*
L. R. Brown, C.E., *Sr. Hwy. Engr.*
E. C. Brown, C.E., *Sr. Hwy. Engr.*
C. C. Morris, B.S. in C.E., *Sr. Hwy. Engr.*
C. G. Morrison, B.S. in C.E., *Sr. Hwy. Engr.*
J. D. Shaw, *Sr. Hwy. Engr.*
G. D. Whittle, B.S. in C.E., *Sr. Hwy. Bridge Engr.*
A. B. Brown, *Mech. Engr.*
D. L. MacBeath, *Hwy. Engr.*
R. Pearson, B.S. in C.E., *Hwy. Bridge Engr.*
H. S. Tolen, C.E., *Hwy. Engr.*
H. A. Alderton, Jr., *A.B. in C.E., Assoc. Hwy. Engr.*
C. S. Bruning, *Assoc. Hwy. Engr.*
C. W. Dennison, B.S., *Assoc. Hwy. Engr.*
J. E. Jensen, *Assoc. Hwy. Engr.*
F. B. Lessman, B.S. in C.E., *Assoc. Hwy. Engr.*
J. L. Mathias, B.S. in C.E., *Assoc. Hwy. Engr.*
W. H. Smith, B.S. in C.E., *Assoc. Hwy. Engr.*
R. Thirion, *Assoc. Hwy. Engr.*
W. J. Ward, B.S. in C.E., *Assoc. Hwy. Engr.*
H. Broberg, B.S. in C.E., *Asst. Hwy. Engr.*
J. E. Applegate, B.S. in C.E., *Asst. Hwy. Engr.*
C. S. Moore, B.S. in M.E., *Asst. Hwy. Engr.*

District No. 2—Continued.
California—Continued.
O. H. Swaney, B.S. in M.E., *Asst. Hwy. Engr.*
R. D. Adams, B.S. in C.E., *Jr. Hwy. Engr.*
N. B. Baloff, B.S. in C.E., *Jr. Hwy. Engr.*
L. L. Clark, B.S. in C.E., *Jr. Hwy. Engr.*
H. L. Clausen, B.C.E., *Jr. Hwy. Engr.*
S. F. Coffman, Jr., B.S. in C.E., *Jr. Hwy. Engr.*
G. B. Criteser, B.S. in C.E., *Jr. Hwy. Engr.*
M. M. Flint, A.B. in C.E., *Jr. Hwy. Engr.*
B. L. Gicisto, B.S. in C.E., *Jr. Hwy. Engr.*
W. A. Grondahl, A.B., *Jr. Hwy. Engr.*
H. T. Gunderson, B.S. in C.E., *Jr. Hwy. Engr.*
F. R. Hall, B.S. in C.E., *Jr. Hwy. Engr.*
L. S. Hedgpeth, B.S. in C.E., *Jr. Hwy. Engr.*
F. M. Johnson, B.S. in C.E., *Jr. Hwy. Engr.*
R. E. Jorgensen, B.S. in C.E., *Jr. Hwy. Engr.*
J. A. Killalee, B.S. in C.E., *Jr. Hwy. Engr.*
H. F. LaGrone, B.S. in C.E., *Jr. Hwy. Engr.*
W. J. Liddle, B.S. in C.E., *Jr. Hwy. Engr.*
Jack Mage, B.S. in C.E., *Jr. Hwy. Engr.*
K. Moskowitz, B.S. in C.E., *Jr. Hwy. Engr.*
T. M. Roach, B.S. in C.E., *Jr. Hwy. Engr.*
A. P. Simatovich, A.B. in E., *Jr. Hwy. Engr.*
E. E. Stewart, B.S. in C.E., *Jr. Hwy. Engr.*
J. N. Storrs, B.S. in C.E., *Jr. Hwy. Engr.*
R. E. Tarbet, B.S. in C.E., *Jr. Hwy. Engr.*
J. E. Wood, B.S. in C.E., *Jr. Hwy. Engr.*
H. H. Woodman, C.E., *Jr. Hwy. Engr.*

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J. A. Elliott, C.E., *Acting Dist. Engr. in charge.*
Colorado—Denver (hdqrs. for dist.):
J. A. Elliott, C.E., *Acting Dist. Engr.*
A. V. Williamson, *Sr. Hwy. Engr.*
L. F. Copeland, B.S. in C.E., *Sr. Hwy. Bridge Engr.*
C. E. Learned, B.S. in C.E., *Sr. Hwy. Engr.*
C. F. Capes, *Hwy. Engr.*
R. S. Corlew, *Hwy. Engr.*
W. H. Curwen, B.S. in C.E., *Hwy. Engr.*
L. A. Hamilton, *Assoc. Hwy. Engr.*
B. B. Hauser, B.C.E., *Assoc. Hwy. Engr.*
R. W. James, C.E., *Assoc. Hwy. Bridge Engr.*
W. M. Jeffrey, B.S. in C.E., *Assoc. Hwy. Engr.*
R. C. Jones, *Assoc. Hwy. Engr.*
W. D. Ross, C.E., *Assoc. Hwy. Engr.*
J. D. Slye, M.S., *Assoc. Hwy. Engr.*
J. E. Williams, B.S. in C.E., *Assoc. Hwy. Engr.*
P. A. Bean, B.S. in C.E., *Asst. Hwy. Engr.*
H. E. Dalton, B.S. in A.E., *Asst. Hwy. Engr.*
R. W. Darling, *Asst. Hwy. Engr.*
D. M. Emrich, B.S. in Hydr., *Asst. Hwy. Engr.*
O. E. Gardner, *Asst. Hwy. Bridge Engr.*

District No. 3—Continued.
Colorado—Continued.
F. C. Hill, *Asst. Hwy. Engr.*
G. W. Hoffman, B.S. in C.E., *Asst. Hwy. Engr.*
J. G. Huckins, B.S. in C.E., *Asst. Hwy. Engr.*
F. M. Keller, B.S. in C.E., *Asst. Hwy. Engr.*
W. J. Keller, *Asst. Hwy. Engr.*
W. L. Lafferty, *Asst. Hwy. Engr.*
S. A. Wallace, *Asst. Hwy. Engr.*
W. W. West, B.S. in C.E., *Asst. Hwy. Engr.*
W. H. Willesen, B.S. in A.E., *Asst. Hwy. Engr.*
R. P. Agnew, B.S. in C.E., *Jr. Hwy. Engr.*
C. D. Beach, B.S. in C.E., *Jr. Hwy. Engr.*
J. S. Biscoe, B.S. in C.E., *Jr. Hwy. Engr.*
F. I. Davidson, B.S. in C.E., *Jr. Hwy. Engr.*
J. W. Courter, M.S. in C.E., *Jr. Struct. Engr.*
W. L. Eager, B.S. in C.E., *Jr. Hwy. Engr.*
B. M. French, B.S. in C.E., *Jr. Hwy. Engr.*
W. B. Huffine, B.S. in C.E., *Jr. Hwy. Engr.*
J. A. Lunsford, B.S. in C.E., *Jr. Hwy. Engr.*
W. G. Nickol, B.S. in C.E., *Jr. Hwy. Engr.*
F. G. Orcutt, B.S. in C.E., *Jr. Hwy. Engr.*
A. G. Siegle, B.S. in C.E., *Jr. Hwy. Engr.*
P. H. Stafford, B.S. in C.E., *Jr. Hwy. Engr.*
R. T. Turner, B.S. in C.E., *Jr. Hwy. Engr.*
New Mexico—Santa Fe:
H. P. Martin, B.S. in C.E., *Hwy. Engr.*
L. C. Rockett, B.S. in C.E., *Assoc. Hwy. Engr.*

District No. 11 (Hdqrs., Juneau, Alaska):
M. D. Williams, B.S., *Dist. Engr. in charge*
Alaska—Juneau (hdqrs. for dist.):
M. D. Williams, B.S., *Dist. Engr.*
I. F. Winsor, *Assoc. Hwy. Engr.*
R. C. Ingram, *Assoc. Hwy. Engr.*
L. W. Turoff, B.S. in C.E., *Asst. Hwy. Engr.*
C. F. Wyller, C.E., *Asst. Hwy. Engr.*

District No. 12 (Hdqrs., Ogden, Utah):
B. J. Finch, C.E., *Dist. Engr. in charge.*
Idaho—Boise:
E. E. Kidder, B.C.E., *Sr. Hwy. Engr.*
Utah—Ogden (hdqrs. for dist.):
B. J. Finch, C.E., *Dist. Engr.*
R. R. Mitchell, B.S. in C.E., *Sr. Hwy. Engr.*
L. M. Huggins, B.S. in C.E., *Sr. Hwy. Bridge Engr.*
R. A. Klein, Ph.B. in C.E., *Sr. Hwy. Design Engr.*
F. W. Smith, B.S. in C.E., *Hwy. Engr.*
J. H. Young, *Hwy. Engr.*
R. A. Brown, *Assoc. Hwy. Engr.*
J. F. English, C.E., *Assoc. Hwy. Engr.*
P. Linford, *Assoc. Hwy. Engr.*
H. J. Horan, B.S. in C.E., *Assoc. Hwy. Bridge Engr.*
O. C. Lockhart, *Assoc. Hwy. Bridge Engr.*
J. E. Anderson, *Asst. Hwy. Engr.*
K. B. Campbell, *Asst. Hwy. Engr.*
K. S. Chamberlain, B.S. in A.E., *Asst. Hwy. Engr.*
Ernest Gilgen, *Asst. Hwy. Engr.*
Ernest Lubeck, *Asst. Hwy. Bridge Engr.*

District No. 12—Continued.
Utah—Continued.
J. A. West, *Asst. Hwy. Engr.*
M. Christensen, B.S. in C.E., *Jr. Hwy. Engr.*
F. L. Davis, B.S. in C.E., *Jr. Hwy. Engr.*
B. P. DuBose, B.S. in C.E., *Jr. Hwy. Engr.*
W. F. Heyman, B.S. in C.E., *Jr. Hwy. Engr.*
E. L. Jordan, B.S. in C.E., *Jr. Hwy. Engr.*
Horace Miller, B.S. in C.E., *Jr. Hwy. Engr.*
L. H. Miller, A.B. in E., *Jr. Hwy. Engr.*

District No. 12—Continued.
Utah—Continued.
Thurman Pryor, B.S. in C.E., *Jr. Hwy. Engr.*
A. C. Spann, B.S. in C.E., *Jr. Hwy. Engr.*
O. M. Uhl, B.S. in C.E., *Jr. Struct. Engr.*
W. E. Reed, B.S. in C.E., *Jr. Hwy. Engr.*
C. R. Salmen, B.S. in C.E., *Jr. Hwy. Engr.*

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C. Older, B.S. in C.E., *Consult. Hwy. Engr.*
C. J. Tilden, M.E., *Hwy. Research Spec.*

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Willis R. Gregg, A.B., *Chief.*
C. C. Clark, LL.M., D.C.L., *Asst. Chief.*
William Weber, *Jr. Admin. Off., Chief Clerk.*
G. M. Richards, *Sr. Admin. Asst., in charge of Div. of Stas. and Accts.*
H. C. Briscoe, *Admin. Asst., in charge of Printing Div.*
D. Y. Engell, *Admin. Asst., in charge of Div. of Supplies.*
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I. R. Tannehill, B.S., *Assoc. Met.*
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District Forecasting:
C. L. Mitchell, *Prin. Met., Forecr.*
R. H. Weightman, LL.B., *Sr. Met., Forecr.*
W. R. Stevens, A.B., *Asst. Met.*

River and Flood Division:
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W. J. Moxom, *Assoc. Met.*

Monthly Weather Review and Meteorological Physics:
W. J. Humphreys, C.E., Ph.D., *Prin. Met., in charge.*

Solar Radiation Investigations:
I. F. Hand, *Jr. Met.*

Climate and Crop Weather:
J. B. Kincer, *Sr. Met., Chief.*
W. W. Reed, *Asst. Met.*
W. A. Mattice, *Asst. Met.*

Aerological Division:
L. T. Samuels, *Assoc. Met.*
P. A. Miller, *Asst. Met.*
L. A. Stevens, *Asst. Met.*

Instrument Division:
B. C. Kadel, *Sr. Met., Chief.*
R. N. Covert, *Asst. Met.*
A. H. Mears, B.S., A.B., A.M., *Assoc. Met.*

Library:
C. F. Talman, *Assoc. Libr., in charge.*

Marine Division:
W. F. McDonald, *Met., Chief.*
W. E. Hurd, *Chief Sci. Aid.*

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C. A. Donnel, *Princ. Met., Forecr., in charge.*

Chicago District—Continued.
W. P. Day, A.B., *Assoc. Met., Asst. Forecr.*

Denver Dist. (Colorado, New Mexico, Arizona, Utah, Wyoming, and Montana):
J. M. Sherier, *Prin. Met., Forecr., in charge.*
E. B. Gittings, Jr., *Sr. Met., Asst. Forecr.*

New Orleans Dist. (Louisiana, Mississippi, NW. Florida, Arkansas, Texas, and Oklahoma):
I. M. Cline, A.M., M.D., Ph.D., *Prin. Met., Forecr., in charge.*
R. A. Dyke, *Sr. Met., Asst. Forecr.*

San Francisco Dist. (California, Nevada, Oregon, Washington, and Idaho):
E. H. Bowie, M.Sc., *Prin. Met., Forecr., in charge.*
T. R. Reed, *Sr. Met., Asst. Forecr.*

Washington Dist. (States east of Mississippi River except Illinois, Indiana, Michigan, Wisconsin, Mississippi, and Northwest Florida):
C. L. Mitchell, *Prin. Met., Forecr.*
R. H. Weightman, LL.B., *Sr. Met., Forecr.*

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Birmingham:
E. C. Horton, B.S., *Jr. Met.*
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Arizona—Yuma:
J. H. Gordon, B.S., *Jr. Met.*
Arkansas—Fort Smith:
W. C. Hickmon, *Asst. Met.*
California:
Eureka:
James Jones, *Jr. Met.*
Fresno:
W. E. Bonnett, *Asst. Met.*
Los Angeles:
Lawrence H. Daingerfield, Ph.D., *Sr. Met.*
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Red Bluff:
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Sacramento:
Edgar H. Fletcher, Ph.G., *Asst. Met.*

California—Continued.
San Diego:
Dean Blake, *Assoc. Met.*
Colorado:
Grand Junction:
E. L. Felton, Asst. Met.
Pueblo:
H. B. Dick, *Asst. Met.*
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Hartford:
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Pensacola:
Ernest Carson, *Asst. Met.*
Tampa:
W. W. Talbott, *Assoc. Met.*
Georgia:
Augusta:
Harry Raynes, *Asst. Met.*
Macon:
G. A. Clark, *Jr. Met.*
Savannah:
W. A. Mitchell, *Asst. Met.*
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Cairo:
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W. P. Day, A.B., *Assoc. Met.*
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Duluth:
Frank Jermin, *Assoc. Met.*
Moorhead:
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Mississippi—Meridian:
E. E. Unger, *Asst. Met.*
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Columbia:
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T. A. Lawler, *Asst. Met.*
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W. S. Belden, B.S., *Asst. Met.*
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C. C. Williford, *Asst. Met.*
Montana:
Havre:
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E. K. Lovett, *Obsr.*
Miles City:
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Nebraska:
North Platte:
A. W. Shilling, *Asst. Met.*
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M. V. Robins, *Met.*
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Valentine:
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Nevada—Winnemucca:
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New Jersey:
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Albany:
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Canton:
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Toledo:
W. S. Currier, B.S., *Asst. Met.*
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Baker:
T. B. Trexler, *Jr. Met.*
Roseburg:
Nino Sunseri, *Jr. Met.*
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C. S. Ling, *Asst. Met.*
C. R. Peck, *Jr. Met.*
Pittsburgh:
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C. A. Belt, *Asst. Met.*
Reading:
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Scranton:
R. C. West, *Asst. Met.*
Rhode Island:
Block Island:
J. B. Underwood, *Jr. Met.*
Providence:
C. S. Wood, *Asst. Met.*
South Carolina:
Charleston:
J. E. Lockwood, *Asst. Met.*
South Dakota:
Rapid City:
H. N. Johnson, *Jr. Met.*
Tennessee:
Chattanooga:
C. E. Hadley, *Asst. Met.*
Knoxville:
J. E. Sanders, *Asst. Met.*
Memphis:
F. W. Brist, *Assoc. Met.*
A. R. Long, *Jr. Met.*
A. L. King, A.B., *Jr. Met.*
Texas:
Abilene:
W. H. Green, *Jr. Met.*
Amarillo:
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Corpus Christi:
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Del Rio:
H. L. Molyneux, *Jr. Met.*
El Paso:
R. M. Shaver, *Asst. Met.*
Fort Worth:
P. S. Cook, *Asst. Met.*
Galveston:
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Palestine:
A. W. Pugh, *Jr. Met.*
Port Arthur:
Ernest Carson, *Jr. Met.*
San Antonio:
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E. H. Marx, *Jr. Met.*
Utah—Modena:
J. T. Williams, *Sr. Obsr.*
Vermont:
Burlington:
M. W. Dow, *Asst. Met.*
Northfield:
W. A. Shaw, M.S., *Jr. Met.*
Virginia:
Cape Henry:
C. R. White, *Sr. Obsr.*
Norfolk:
J. J. Murphy, *Asst. Met.*
D. R. Dobbins, *Jr. Met.*
Wytheville:
S. B. Trotter, *Jr. Met.*
Washington:
North Head:
J. O. Becker, *Jr. Obsr.*
Spokane:
E. M. Keyser, A.B., *Asst. Met.*
Tatoosh Island:
Fred Myers, *Jr. Met.*
Walla Walla:
C. C. Garrett, *Asst. Met.*
Yakima:
E. H. Jones, *Asst. Met.*
West Virginia—Elkins:
H. A. Jones, A.B., *Jr. Met.*
Wisconsin:
Green Bay:
Fred Cone, *Jr. Met.*
La Crosse:
A. D. Sanial, *Jr. Met.*
Madison:
E. R. Miller, M.S., *Assoc. Met.*
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Lander:
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W. L. Wyland, *Asst. Met.*
Yellowstone Park:
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F. C. Hood, *Jr. Met.*
Alaska—Juneau:
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Bagnell, Douglas B., 73a.
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Bailey, Alice A., 80a.
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Bailey, I. L., 90a.
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Bailey, T. L. W., Jr., 15a.
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